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Ohio Labor Market Information

Labor Market Review

June 1990

Summary. In June, the seasonally adjusted unemployment rate in Ohio was 5.2 percent, down 0.7 percentage points from May. The national rate, also 5.2 percent, was fractionally lower. Total employment in Ohio, at 5,135,000, was up 28,000 from May. There were 284,000 unemployed Ohioans in June, a decrease of 37,000 over the month. Nonagricultural wage and salary employment (seasonally adjusted) increased 9,000 from May to an all-time high of 4,927,000 in June. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries totaled 1,341,000 in June, up 3,000 from May. Increases in fabricated metal products and transportation equipment boosted durable-goods employment 2,000 to 750,000. Nondurable-goods employment, at 373,000, was up 1,000 due to scattered gains. Growth in special trade contractors raised construction employment 1,000 to 199,000 in June, while mining employment remained at 18,000.

Service-Producing Industries. There were 3,586,000 people employed in service-producing industries in June, up 6,000 from May. Services added 5,000 jobs, while retail trade increased 3,000. Little change occurred in transportation and public utilities, wholesale trade, or finance, insurance, and real estate. The loss of temporary census workers lowered government employment 3,000 over the month.

Over the Year. Ohio's unemployment rate decreased from 5.6 percent in June 1989 to 5.2 percent in June 1990. The U.S. rate slipped from 5.3 percent to 5.2 percent over the year. Total employment in Ohio was down 7,000 from June 1989, while total unemployment was 19,000 lower. Since June 1989, nonfarm payroll employment advanced 118,000. The largest gains were in services (+39,000), retail trade (+36,000), and government (+21,000). Wholesale trade and construction also had notable increases. Manufacturing employment declined 2,000 over the year as losses in most durable-goods industries, especially primary metal industries, industrial machinery and equipment, and electronic and other electric equipment, were only partially offset by advances in nondurable-goods industries.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of $549.53 in June, setting a record high for the second consecutive month. Their average workweek of 43.1 hours was 0.3 hours longer. Most industries had increased earnings due to more overtime in June. The most significant was transportation equipment, especially motor vehicles and equipment. Increases in blast furnace and basic steel products and iron and steel foundries raised earnings in primary metal industries. Higher earnings also were recorded in chemicals and allied products and in rubber and miscellaneous plastics products.

Benefits and Costs. There were 38,085 initial claims filed under the Ohio Unemployment Compensation Law in June, down 11.7 percent from May and down 16.0 percent from June

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

1989. Total benefits paid fell 16.2 percent to $47.6 million. The average weekly benefit check of $166.79 was $1.60 lower than in May. The average weekly number of benefit recipients, at 67,701, was down 9.1 percent. At the end of June, there were 207,048 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,579 new job applicants in June, down 7.0 percent from May, and down 5.9 percent from June 1989. Job openings received from employers declined 8.1 percent from May to 11,580. The Employment Services Division made 23,230 job referrals and 6,414 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1990	May 1990	Jun. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,419	5,428	5,445	-9	-26	-.2	-.5
Employment	5,135	5,107	5,142	28	-7	.5	-.1
Unemployment	284	321	303	-37	-19	-11.5	-6.3
Unemployment Rate	5.2	5.9	5.6				
Employer Survey Data[e]							
Total	4,927	4,917	4,809	9	118	.2	2.4
Goods–Producing Industries	1,341	1,337	1,335	3	5	.3	.4
Mining	18	18	18	0	0	.2	1.4
Coal Mining	8	8	7	0	0	-.7	.7
Oil and Gas Extraction	6	6	6	0	0	1.2	.1
Construction	199	198	192	1	7	.5	3.8
General Building Contractors	47	47	46	0	1	.3	3.1
Heavy Construction, Except Building	23	23	23	0	0	.8	-1.2
Special Trade Contractors	129	128	123	1	6	.5	5.0
Manufacturing	1,124	1,121	1,126	2	-2	.2	-.2
Durable Goods	750	748	756	2	-5	.2	-.7
Lumber and Wood Products	23	23	22	0	1	.1	6.2
Furniture and Fixtures	15	15	15	0	0	-.5	.2
Stone, Clay, and Glass Products	46	46	46	0	0	.3	.4
Primary Metal Industries	101	101	103	0	-2	.4	-1.5
Fabricated Metal Products	136	135	136	1	0	.7	.0
Industrial Machinery and Equipment	167	167	168	-1	-2	-.4	-1.0
Electronic and Other Electric Equipment	78	78	80	0	-2	-.5	-2.3
Transportation Equipment	143	141	144	1	-1	1.0	-.8
Instruments and Related Products	26	27	27	0	-1	-1.8	-3.3
Nondurable Goods	373	373	370	1	3	.2	.8
Food and Kindred Products	63	64	63	0	0	-.4	.0
Apparel and Other Textile Products	15	15	15	0	0	.6	.4
Paper and Allied Products	38	37	38	0	0	.6	-.1
Printing and Publishing	76	76	74	0	2	.4	2.6
Chemicals and Allied Products	66	66	65	0	1	.3	1.1
Rubber and Misc. Plastics Products	97	97	97	0	0	.1	.3
Service–Producing Industries	3,586	3,580	3,474	6	112	.2	3.2
Transportation and Public Utilities	219	218	215	0	3	.0	1.5
Transportation	129	128	125	0	4	.3	3.3
Communications, Electric, Gas Services	90	90	91	0	-1	-.3	-1.1

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1990	May 1990	Jun. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	272	271	263	0	8	.1	3.2
Wholesale Trade-Durable Goods	172	172	167	0	5	.0	2.9
Wholesale Trade-Nondurable Goods	100	100	96	0	3	.2	3.6
Retail Trade	936	933	900	3	36	.3	4.0
Building Materials and Garden Supplies	36	36	34	0	2	.4	4.9
General Merchandise Stores	129	129	126	1	3	.4	2.2
Food Stores	144	143	140	0	4	.3	2.8
Automotive Dealers and Service Stations	102	102	98	0	4	.2	4.1
Apparel and Accessory Stores	52	52	48	0	4	.8	8.8
Furniture and Homefurnishings Stores	34	33	32	0	2	.5	6.3
Eating and Drinking Places	316	315	308	0	8	.1	2.7
Miscellaneous Retail	123	123	114	1	9	.5	7.9
Finance, Insurance, and Real Estate	257	257	252	0	5	.0	2.0
Finance	121	121	120	0	1	.1	1.0
Depository Institutions	91	91	91	0	0	.2	.4
Insurance	93	93	91	0	2	-.1	2.2
Real Estate	44	43	42	0	2	.1	4.5
Services	1,177	1,172	1,138	5	39	.5	3.4
Hotels and Other Lodging Places	39	39	38	0	1	-.3	1.6
Personal Services	55	55	53	0	2	.5	3.1
Business Services	216	215	202	1	13	.6	6.7
Amusements, Including Motion Pictures	56	56	58	0	-2	.8	-3.6
Health Services	396	395	384	1	12	.3	3.1
Legal Services	30	30	28	0	2	.5	5.9
Educational Services	60	60	60	0	0	.5	-.7
Social Services	75	74	72	1	3	1.3	3.7
Membership Organizations	81	80	78	1	3	.8	3.4
Engineering and Management Services	87	87	85	0	2	.0	2.6
Government	725	728	704	-3	21	-.4	3.0
Federal Government	102	106	97	-4	5	-3.7	4.9
State Government	161	162	157	0	4	-.3	2.9
State Government Education	83	84	81	-1	2	-.9	2.8
Local Government	462	460	450	2	12	.3	2.6
Local Government Education	268	268	261	0	7	.1	2.5

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

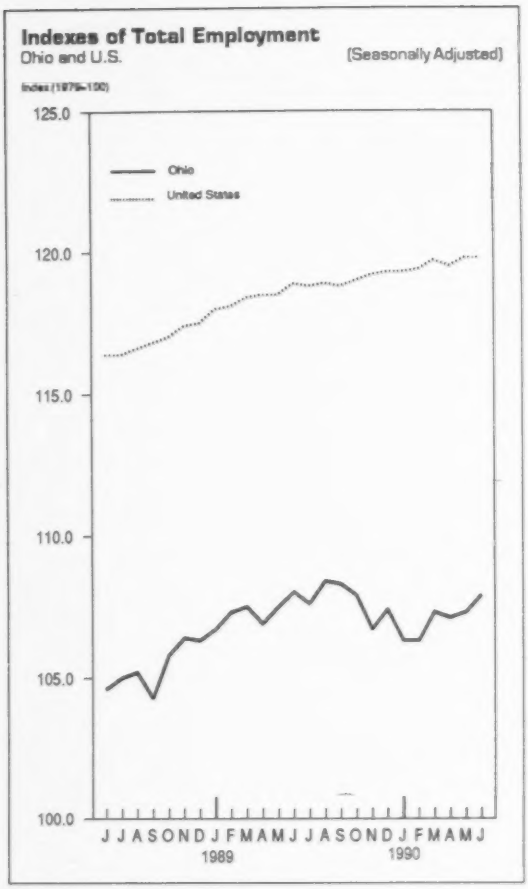
Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,707	1,316	19	188	1,109	June
4,713	1,319	19	186	1,114	July
4,713	1,317	19	186	1,112	August
4,727	1,320	19	186	1,115	September
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,927	1,341	18	199	1,124	June

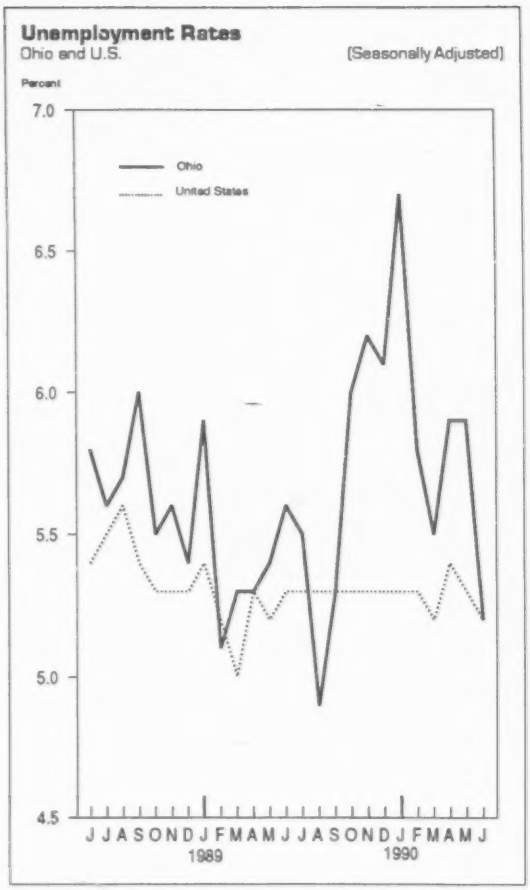
Service–Producing Employment

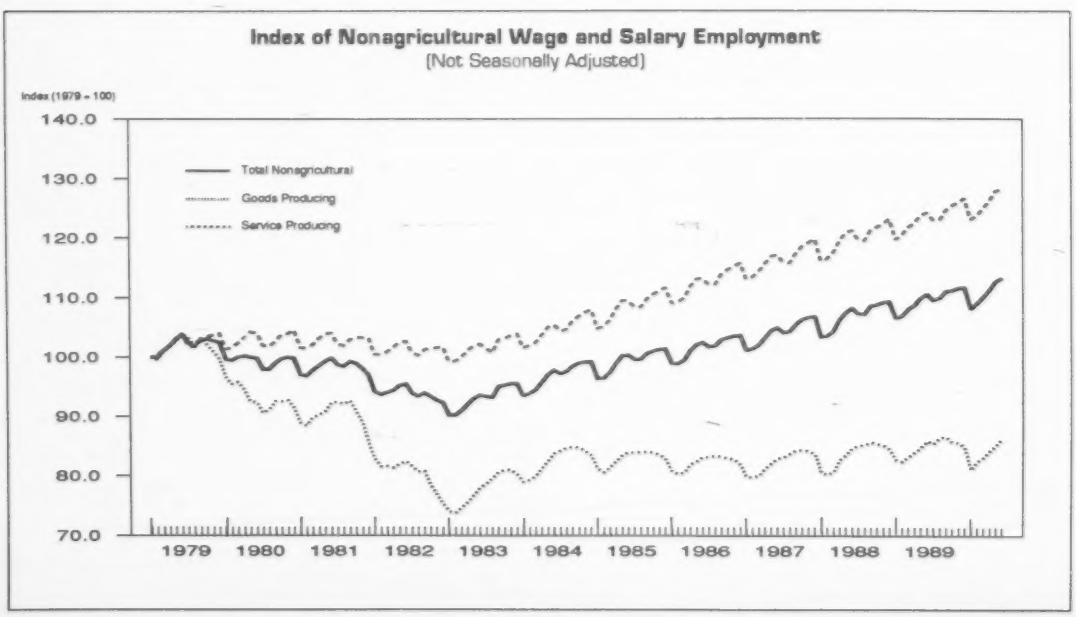
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,566	219	June	272	936	257	June	1,177	725

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
J J A S O N D J F M A M J J A S O N D J F M A M J
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
J J A S O N D J F M A M J J A S O N D J F M A M J
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,505	5,184	320	5.8	5.5	June
5,483	5,210	273	5.0	5.3	July
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,858.3	1,351.4	18.1	201.8	1,131.5	June
4,815.3	1,343.2	15.4	209.6	1,118.2	July
4,830.3	1,358.7	18.5	212.3	1,128.0	August
4,877.8	1,361.7	18.5	211.8	1,131.4	September
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,976.3	1,357.1	18.4	209.3	1,129.3	June

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,619.2	220.6	June	273.6	945.3	259.3	June	1,196.4	724.1

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.3	754.5	374.8	June	772.7	424.6	33.3

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings			
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods	
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25	
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96	
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80	
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38	
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77	
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02	
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31	
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57	
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86	
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05	
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44	
			1989				1989				
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47	
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46	
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50	
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50	
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52	
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54	
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59	
			1990				1990				
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62	
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59	
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66	
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66	
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74	
549.53	572.46	500.74	June	43.1	43.5	42.4	June	12.75	13.16	11.81	

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.4	77.7	143.5	June	63.5	76.0	97.4

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.45	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
499.25	670.44	534.06	June	549.41	461.25	762.68	June	477.96	465.31	472.57

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	4976.3	4949.2	4858.3	27.1	118.0
Goods-Producing Industries	1357.1	1338.0	1351.4	19.0	5.7
Mining	18.4	18.0	18.1	.4	.3
Coal Mining	7.6	7.5	7.5	.0	.1
Oil and Gas Extraction	5.6	5.4	5.6	.3	.0
Construction	209.3	199.6	201.8	9.7	7.6
General Building Contractors	49.3	47.1	47.8	2.2	1.5
Nonresidential Building Construction	24.3	23.4	24.4	1.0	-.1
Heavy Construction, Except Building	25.7	23.8	26.0	1.8	-.3
Highway and Street Construction	9.3	8.4	9.6	.9	-.3
Special Trade Contractors	134.4	128.7	128.0	5.7	6.4
Manufacturing	1129.3	1120.5	1131.5	8.8	-2.2
Durable Goods[f]	754.5	749.3	759.8	5.2	-5.3
Lumber and Wood Products	23.8	23.5	22.4	.3	1.4
Millwork, Plywood and Structural Members	10.8	10.7	10.1	.1	.6
Furniture and Fixtures	15.5	15.3	15.5	.1	.0
Stone, Clay, and Glass Products	46.6	45.7	46.4	.8	.2
Primary Metal Industries	101.7	101.2	103.1	.5	-1.5
Blast Furnace and Basic Steel Products	46.9	46.8	47.1	.1	-.2
Iron and Steel Foundries	20.1	19.7	20.8	.4	-.7
Nonferrous Rolling and Drawing	16.6	16.8	17.1	-.2	-.5
Nonferrous Foundries	10.9	10.8	10.8	.1	.1
Fabricated Metal Products	136.8	135.3	136.8	1.5	.0
Fabricated Structural Metal Products	30.4	29.9	30.4	.5	-.1
Metal Forgings and Stampings	39.3	38.7	39.5	.6	-.2
Industrial Machinery and Equipment	167.4	167.0	169.2	.4	-1.8
Construction and Related Machinery	14.5	14.4	14.2	.1	.2
Metalworking Machinery	47.2	47.1	48.2	.0	-1.0
Special Industry Machinery	17.3	17.3	17.1	.0	.2
General Industrial Machinery	26.0	25.9	26.5	.1	-.5
Computer and Office Equipment	11.3	11.2	11.4	.2	.0
Refrigeration and Service Machinery	15.9	15.7	16.8	.1	-.9
Electronic and Other Electric Equipment	77.7	77.8	79.6	-.1	-1.9
Electrical Industrial Apparatus	12.0	12.1	12.7	-.1	-.6
Household Appliances	15.6	15.6	15.3	.0	.3
Electric Lighting and Wiring Equipment	16.4	16.4	16.7	.0	-.2
Electronic Components and Accessories	11.5	11.5	11.3	.0	.2
Transportation Equipment	143.5	142.1	144.7	1.4	-1.1
Motor Vehicles and Equipment	97.5	96.4	99.1	1.1	-1.6
Aircraft and Parts	37.0	36.8	36.4	.2	.7
Instruments and Related Products	25.9	26.3	26.8	-.4	-.9
Measuring and Controlling Devices	15.8	16.1	16.3	-.2	-.4
Nondurable Goods[g]	374.8	371.2	371.7	3.6	3.1
Food and Kindred Products	63.5	62.6	63.5	.9	.0
Dairy Products	10.7	10.6	10.3	.1	.4
Preserved Fruits and Vegetables	10.5	10.5	10.7	.0	-.2
Bakery Products	9.7	9.5	9.9	.1	-.2
Apparel and Other Textile Products	15.2	15.2	15.1	.0	.1
Paper and Allied Products	37.6	37.2	37.7	.4	.0
Paperboard Containers and Boxes	13.8	13.7	13.5	.1	.3
Miscellaneous Converted Paper Products	12.3	12.2	12.2	.1	.1
Printing and Publishing	76.0	75.4	74.1	.6	1.9
Newspapers	19.3	19.2	18.7	.1	.6
Commercial Printing	27.8	27.7	27.3	.1	.5
Chemicals and Allied Products	66.6	65.9	65.9	.7	.7
Plastics Materials and Synthetics	9.8	9.8	9.9	.0	-.1
Rubber and Miscellaneous Plastics Products	97.4	96.7	97.1	.6	.3
Tires and Inner Tubes	15.9	15.9	15.7	.0	.3
Miscellaneous Plastics Products	58.9	58.4	58.3	.5	.6
Service-Producing Industries	3619.2	3611.1	3506.9	8.1	112.4
Transportation and Public Utilities	220.6	218.6	217.4	2.0	3.2
Transportation	130.3	128.8	126.1	1.5	4.2
Railroad Transportation	12.3	12.3	13.2	.0	-.9
Trucking and Warehousing	77.6	76.7	75.3	1.0	2.4
Transportation by Air	14.3	14.1	13.0	.2	1.2
Communications, Electric, Gas Services	90.3	89.8	91.3	.5	-1.0
Communications	46.6	46.5	47.7	.1	-1.1
Electric, Gas, and Sanitary Services	43.7	43.3	43.6	.4	.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Wholesale Trade	273.6	271.5	265.2	2.1	8.4
Wholesale Trade-Durable Goods	172.9	171.8	168.1	1.1	4.8
Motor Vehicles, Parts, and Supplies	23.0	22.9	23.0	.1	.1
Professional and Commercial Equipment	33.1	33.0	32.1	.1	.9
Metals and Minerals, Except Petroleum	11.4	11.4	11.2	.0	.2
Electrical Goods	18.9	18.7	18.5	.1	.4
Hardware, Plumbing and Heating Equipment	13.1	13.0	12.6	.1	.5
Machinery, Equipment, and Supplies	43.5	43.1	41.9	.4	1.6
Wholesale Trade-Nondurable Goods	100.7	99.6	97.1	1.0	3.5
Groceries and Related Products	33.3	32.7	31.9	.6	1.5
Retail Trade	945.3	936.7	909.2	8.6	36.1
Building Materials and Garden Supplies	38.5	37.9	36.7	.6	1.8
Lumber and Other Building Materials	19.2	18.6	18.3	.6	.9
General Merchandise Stores	125.3	124.7	122.6	.6	2.7
Department Stores	102.1	101.4	99.7	.7	2.4
Variety Stores	13.6	13.6	13.1	.0	.5
Food Stores	144.4	143.2	140.4	1.3	4.1
Grocery Stores	127.5	126.6	123.9	.9	3.6
Automotive Dealers and Service Stations	103.6	102.6	99.7	1.0	3.9
New and Used Car Dealers	45.5	45.1	43.9	.4	1.6
Gasoline Service Stations	36.2	35.8	34.1	.4	2.1
Apparel and Accessory Stores	51.4	51.1	47.3	.3	4.1
Furniture and Homefurnishings Stores	33.2	33.0	31.3	.2	2.0
Eating and Drinking Places	327.2	323.3	316.6	3.9	8.6
Miscellaneous Retail	121.7	121.0	112.7	.6	9.0
Drug Stores and Proprietary Stores	32.6	32.4	30.6	.2	2.0
Nonstore Retailers	23.0	22.8	21.1	.2	1.9
Finance, Insurance, and Real Estate	259.3	256.8	254.2	2.5	5.1
Finance	121.4	120.5	120.3	.9	1.2
Depository Institutions	91.6	90.6	91.2	1.0	.4
Commercial Banks	64.7	63.9	63.9	.8	.8
Insurance	93.0	92.6	91.0	.4	2.0
Insurance Carriers	71.0	70.8	69.8	.2	1.2
Life Insurance	25.9	25.8	25.9	.1	-.1
Fire, Marine, and Casualty Insurance	32.0	31.7	30.5	.3	1.5
Real Estate	44.9	43.7	42.9	1.2	1.9
Services	1196.4	1180.4	1157.8	16.0	38.6
Hotels and Other Lodging Places	40.5	39.1	39.8	1.4	.6
Personal Services	54.3	54.1	52.7	.2	1.6
Business Services	216.8	213.6	203.2	3.2	13.5
Services to Buildings	33.7	33.4	32.1	.3	1.7
Personnel Supply Services	75.0	73.6	70.2	1.4	4.7
Computer and Data Processing Services	27.7	27.4	25.1	.3	2.6
Amusements, Including Motion Pictures	69.8	62.5	72.4	7.3	-2.6
Health Services	397.1	393.7	385.0	3.4	12.1
Nursing and Personal Care Facilities	86.4	85.8	83.3	.6	3.0
Hospitals	191.7	190.3	187.6	1.5	4.1
Legal Services	30.7	29.8	29.0	.9	1.7
Educational Services	55.5	60.8	55.9	-5.3	-.4
Colleges and Universities	28.3	32.5	28.8	-4.2	-.5
Social Services	74.6	74.6	71.9	.0	2.7
Residential Care	23.3	23.0	22.0	.3	1.3
Membership Organizations	82.4	80.6	79.7	1.8	2.7
Engineering and Management Services	87.9	86.7	85.7	1.2	2.2
Engineering and Architectural Services	27.3	26.7	26.4	.5	.9
Accounting, Auditing, and Bookkeeping	21.4	21.4	20.8	.0	.6
Research and Testing Services	19.5	19.1	18.9	.4	.6
Management and Public Relations	19.8	19.5	19.6	.3	.2
Government	724.1	747.2	703.2	-23.1	20.9
Federal Government	102.7	106.1	97.9	-3.4	4.8
U.S. Postal Service	34.0	33.9	34.9	.1	-.9
State Government	158.5	169.0	154.1	-10.6	4.4
State Government Hospitals	16.2	16.0	15.7	.2	.5
State Government Education[h]	79.3	91.5	77.1	-12.2	2.1
Local Government	462.9	472.0	451.2	-9.1	11.7
Local Government Hospitals	15.0	14.8	14.6	.2	.3
Local Government Education	263.7	280.4	257.4	-16.7	6.3

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[6]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Goods-Producing Industries	$563.60	$556.25	$514.52	42.6	42.3	40.9	$13.23	$13.15	$12.58
Mining	627.34	628.04	575.92	45.1	44.7	43.4	13.91	14.05	13.27
Coal Mining	732.20	744.60	701.36	43.3	43.8	42.2	16.91	17.00	16.62
Construction	624.88	624.10	581.39	39.7	39.6	37.9	15.74	15.76	15.34
General Building Contractors	562.22	561.00	540.48	40.8	40.8	39.8	13.78	13.75	13.58
Heavy Construction, Except Building	677.70	639.14	618.03	41.5	39.6	37.8	16.33	16.14	16.35
Special Trade Contractors	634.59	638.96	585.81	39.1	39.2	37.1	16.23	16.30	15.79
Manufacturing	549.53	542.28	526.81	43.1	42.8	42.9	12.75	12.67	12.28
Durable Goods[f]	572.46	564.19	546.88	43.5	43.2	43.3	13.16	13.06	12.63
Lumber and Wood Products	314.20	311.38	341.54	38.6	38.3	41.6	8.14	8.13	8.21
Millwork, Plywood and Structural Members	358.80	354.78	367.64	41.1	40.5	43.1	8.73	8.76	8.53
Furniture and Fixtures	382.12	380.59	386.90	41.4	41.1	42.1	9.23	9.26	9.19
Stone, Clay, and Glass Products	499.25	495.79	479.52	43.3	43.0	42.7	11.53	11.53	11.23
Primary Metal Industries	670.44	657.34	632.19	45.3	44.9	44.9	14.80	14.64	14.08
Blast Furnace and Basic Steel Products	675.19	662.85	661.81	45.9	45.5	45.8	14.71	14.59	14.45
Iron and Steel Foundries	743.58	720.94	644.36	45.9	45.2	44.5	16.20	15.95	14.48
Nonferrous Rolling and Drawing	716.04	700.21	655.23	42.8	42.8	42.3	16.73	16.36	15.49
Nonferrous Foundries	489.58	484.02	466.22	45.5	44.9	44.7	10.76	10.78	10.43
Fabricated Metal Products	534.06	531.48	505.91	43.0	43.0	42.3	12.42	12.36	11.96
Fabricated Structural Metal Products	495.03	506.09	453.36	43.5	44.2	41.9	11.38	11.45	10.82
Metal Forgings and Stampings	672.66	662.38	618.30	44.4	44.1	42.7	15.15	15.02	14.48
Industrial Machinery and Equipment	549.41	547.67	535.67	43.5	43.5	43.8	12.63	12.59	12.23
Construction and Related Machinery	454.46	462.35	444.96	39.9	40.1	41.2	11.39	11.53	10.80
Metalworking Machinery	540.55	530.31	524.81	44.6	43.9	44.4	12.12	12.08	11.82
Special Industry Machinery	527.33	515.53	524.57	44.5	43.8	45.3	11.85	11.77	11.58
General Industrial Machinery	638.62	616.72	592.74	45.1	44.4	44.4	14.16	13.89	13.35
Computer and Office Equipment	477.66	459.50	473.12	41.9	41.1	42.7	11.40	11.18	11.08
Refrigeration and Service Machinery	592.85	613.44	595.78	41.4	42.6	42.8	14.32	14.40	13.92
Electronic and Other Electric Equipment	461.25	456.65	455.67	41.0	40.7	41.2	11.25	11.22	11.06
Electrical Industrial Apparatus	451.92	444.47	440.32	42.0	41.5	43.0	10.76	10.71	10.24
Household Appliances	479.97	477.18	500.61	39.7	39.6	41.0	12.09	12.05	12.21
Electric Lighting and Wiring Equipment	484.81	481.19	462.35	40.3	39.9	40.1	12.03	12.06	11.53
Electronic Components and Accessories	351.96	341.13	339.89	42.1	41.1	41.0	8.36	8.30	8.29
Transportation Equipment	762.68	742.29	713.25	46.0	45.4	45.0	16.58	16.35	15.85
Motor Vehicles and Equipment	798.57	776.32	741.38	46.7	46.1	45.4	17.10	16.84	16.33
Aircraft and Parts	671.95	661.32	650.15	44.5	44.0	44.5	15.10	15.03	14.61
Instruments and Related Products	391.78	385.49	385.70	40.1	39.7	40.6	9.77	9.71	9.50
Measuring and Controlling Devices	372.68	373.64	377.55	38.7	38.8	39.7	9.63	9.63	9.51
Nondurable Goods[g]	500.74	493.08	481.74	42.4	42.0	42.0	11.81	11.74	11.47
Food and Kindred Products	477.96	469.83	468.26	42.0	41.8	42.3	11.38	11.24	11.07
Dairy Products	480.80	486.17	476.10	42.7	43.1	43.4	11.26	11.28	10.97
Preserved Fruits and Vegetables	494.91	480.80	491.31	40.6	40.1	42.1	12.19	11.99	11.67
Bakery Products	503.88	504.27	483.19	40.8	40.7	39.9	12.35	12.39	12.11
Apparel and Other Textile Products	299.47	316.41	296.91	38.1	39.7	37.3	7.86	7.97	7.96
Paper and Allied Products	519.04	515.09	494.33	44.4	44.1	43.4	11.69	11.68	11.39
Paperboard Containers and Boxes	467.37	462.27	430.61	44.3	43.9	42.3	10.55	10.53	10.18
Miscellaneous Converted Paper Products	479.39	470.67	439.38	43.9	43.3	42.7	10.92	10.87	10.29
Printing and Publishing	465.31	465.71	447.70	39.5	39.4	39.1	11.78	11.82	11.45
Newspapers	377.09	383.58	371.18	33.4	33.5	33.5	11.29	11.45	11.08
Commercial Printing	466.56	459.15	451.95	40.5	40.1	40.9	11.52	11.45	11.05
Chemicals and Allied Products	630.73	609.00	590.04	44.2	43.1	43.1	14.27	14.13	13.69
Plastics Materials and Synthetics	672.32	672.55	661.56	44.0	43.9	44.4	15.28	15.32	14.90
Rubber and Miscellaneous Plastics Products	472.57	460.82	459.67	43.0	42.2	43.0	10.99	10.92	10.69
Tires and Inner Tubes	744.97	774.45	730.79	46.3	47.6	47.3	16.09	16.27	15.45
Miscellaneous Plastics Products	457.74	441.19	445.36	42.7	41.7	42.7	10.72	10.58	10.43
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	624.12	616.33	592.02	42.0	41.7	41.4	14.86	14.78	14.30
Communications	574.63	559.32	572.36	40.1	39.5	41.0	14.33	14.16	13.96
Electric, Gas, and Sanitary Services	681.56	683.55	613.21	44.2	44.3	41.8	15.42	15.43	14.67
Wholesale Trade	416.02	415.91	400.92	39.1	39.2	39.0	10.64	10.61	10.28
Wholesale Trade-Durable Goods	411.33	411.21	389.39	39.1	39.2	38.9	10.52	10.49	10.01
Motor Vehicles, Parts, and Supplies	362.90	353.44	332.26	38.0	37.6	37.0	9.55	9.40	8.98
Metals and Minerals, Except Petroleum	468.03	472.36	450.24	41.2	42.1	42.0	11.36	11.22	10.72
Wholesale Trade-Nondurable Goods	424.93	423.45	421.69	39.2	39.1	39.3	10.84	10.83	10.73

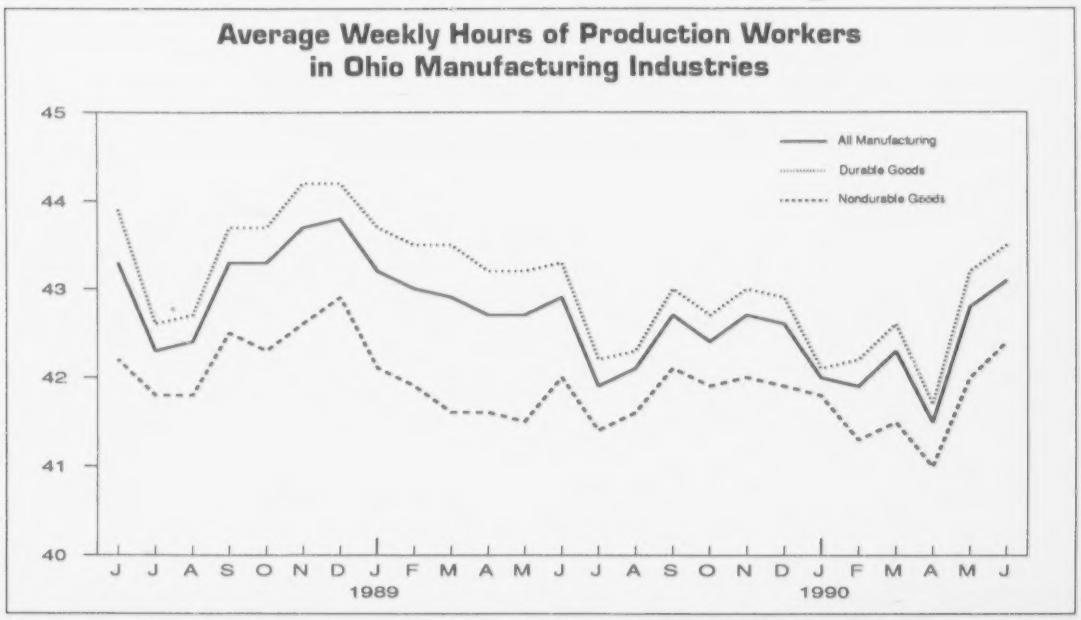
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

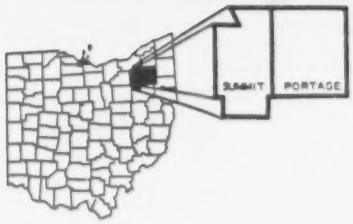
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Retail Trade[i]	$179.14	$178.44	$175.39	28.3	28.1	28.8	$6.33	$6.35	$6.09
General Merchandise Stores	191.33	192.19	183.23	28.6	28.6	28.9	6.69	6.72	6.34
Department Stores	195.16	195.73	188.69	28.7	28.7	29.3	6.80	6.82	6.44
Finance, Insurance, and Real Estate	351.65	352.67	339.93	....	....	....	.....	.....	.....
Finance	324.97	325.28	318.13	....	....	....	.....	.....	.....
Depository Institutions	277.36	277.74	271.61	....	....	....	.....	.....	.....
Commercial Banks	274.78	274.23	268.53	....	....	....	.....	.....	.....
Insurance	418.23	419.52	400.60	....	....	....	.....	.....	.....
Insurance Carriers	407.29	407.07	389.64	....	....	....	.....	.....	.....
Life Insurance	385.11	383.56	362.02	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	434.63	435.56	414.20	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	245.35	241.08	214.37	33.2	32.8	31.9	7.39	7.35	6.72
Health Services	316.45	311.58	301.44	31.9	31.6	32.0	9.92	9.86	9.42
Nursing and Personal Care Facilities	211.15	208.24	196.24	31.8	31.6	31.6	6.64	6.59	6.21
Hospitals	373.11	365.15	351.43	32.7	32.2	32.6	11.41	11.34	10.78
Engineering and Management Services	479.15	484.98	443.07	35.0	35.4	34.4	13.69	13.70	12.88
Engineering and Architectural Services	672.07	683.26	615.44	32.8	33.2	31.4	20.49	20.58	19.60
Research and Testing Services	377.37	375.58	338.69	35.5	35.6	33.6	10.63	10.55	10.08

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.



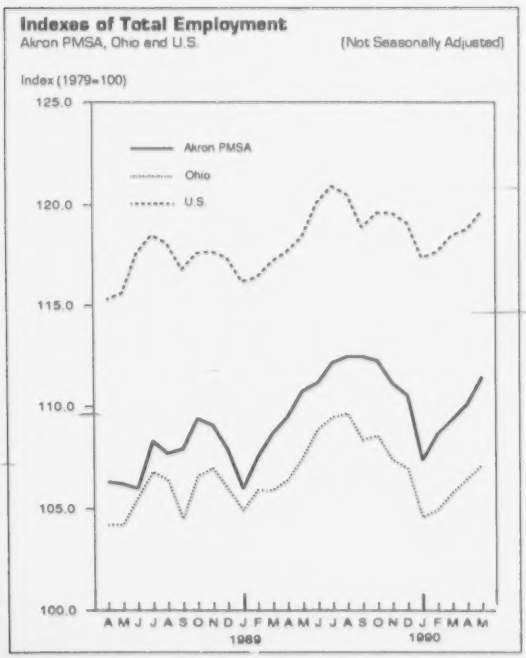
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

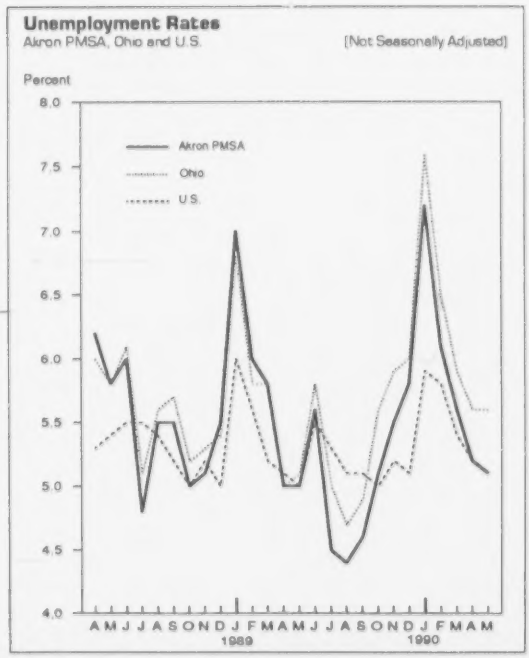


Nonagricultural payroll employment in the Akron metropolitan area totaled 291,300 in June 1990, dropping 2,300 below the May level. Employment in service-producing industries declined 3,500. Seasonal layoffs of nonteaching personnel in state and local schools and colleges overshadowed a moderate gain in services, especially amusements, including motion pictures. More business in construction and scattered improvements in manufacturing raised employment in goods-producing industries 1,100 over the month to 79,700. Factory production workers averaged $12.07 per hour, up 7 cents from May. Their average workweek was 0.2 hours longer at 43.2 hours.

Nonfarm wage and salary employment advanced 8,300 between June 1989 and June 1990. The number of jobs in service-producing industries increased 8,200. A major portion of the growth occurred in services (+4,100) and retail trade (+2,300). The number of jobs in goods-producing industries was unchanged over the year as a modest gain in construction offset a decrease in manufacturing. Declines in transportation equipment and industrial machinery and equipment negated a gain in rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Akron area increased 2,000 above the May level to 292,000 in June 1990. Slight gains were recorded in transportation and public utilities and in services. Since June 1989, total payroll employment advanced 9,000. Primary growth industries were services (+4,000) and retail trade (+2,000).





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
INA	INA	INA	INA	June	291.3	67.9	38.7	521.42	43.2	12.07

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
292	78	10	67	June	213	14	16	57	11	71	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	291.3	293.6	283.0	-2.3	8.3
Goods-Producing Industries[e]	79.7	78.5	79.6	1.1	.0
Construction	11.1	10.5	10.7	.6	.5
Manufacturing	67.9	67.4	68.4	.5	-.4
Durable Goods[f]	34.6	34.4	35.1	.3	-.5
Fabricated Metal Products	11.0	10.9	11.0	.2	.0
Fabricated Structural Metal Products	4.8	4.7	4.8	.1	.0
Industrial Machinery and Equipment	10.0	10.1	10.2	-.1	-.2
Metalworking Machinery	3.8	3.9	3.9	-.1	-.1
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.9	4.9	5.3	.0	-.4
Nondurable Goods[g]	33.3	33.1	33.2	.2	.0
Food and Kindred Products	3.0	3.0	3.1	.0	-.1
Chemicals and Allied Products	3.7	3.7	3.7	.0	.0
Rubber and Miscellaneous Plastics Products	20.6	20.5	20.4	.1	.3
Tires and Inner Tubes	11.4	11.4	11.3	.0	.2
Service-Producing Industries	211.6	215.1	203.4	-3.5	8.2
Transportation and Public Utilities	13.6	13.5	13.1	.1	.5
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	16.0	15.9	15.5	.1	.5
Retail Trade	57.5	57.1	55.2	.4	2.3
General Merchandise Stores	7.7	7.7	7.3	.1	.5
Food Stores	9.2	9.1	9.1	.1	.1
Finance, Insurance, and Real Estate	10.7	10.6	10.5	.2	.3
Finance	5.4	5.4	5.4	.1	.1
Services	72.9	70.6	68.8	2.3	4.1
Business Services	12.2	11.9	11.3	.3	.9
Personnel Supply Services	3.3	3.2	3.1	.1	.2
Amusements, Including Motion Pictures	9.0	7.7	7.8	1.3	1.2
Health Services	22.2	22.1	21.3	.2	.9
Nursing and Personal Care Facilities	4.0	3.9	3.7	.0	.3
Hospitals	11.1	11.0	10.8	.1	.3
Social Services	4.8	4.7	4.6	.0	.1
Engineering and Management Services	5.4	5.2	5.0	.1	.3
Government	40.9	47.4	40.4	-6.5	.6
Federal Government	2.9	3.1	2.4	-.2	.5
State Government	12.0	17.5	11.9	-5.5	.1
State Government Education[h]	9.0	14.6	8.8	-5.6	.2
Local Government	26.0	26.9	26.0	-.9	.0
Local Government Education	13.2	14.8	13.4	-1.5	-.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

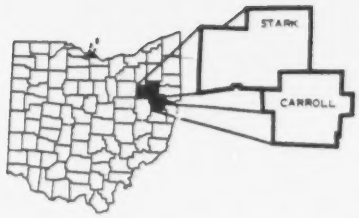
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$521.42	$516.00	$483.49	43.2	43.0	42.3	$12.07	$12.00	$11.43
Durable Goods[f]	537.51	530.27	491.42	43.7	43.5	42.4	12.30	12.19	11.59
Fabricated Metal Products	700.74	689.02	576.42	45.8	45.6	41.8	15.30	15.11	13.79
Fabricated Structural Metal Products	558.87	561.51	476.19	45.4	45.8	42.9	12.31	12.26	11.10
Industrial Machinery and Equipment	465.89	465.65	466.67	43.5	43.6	44.7	10.71	10.68	10.44
Metalworking Machinery	510.30	496.16	496.58	45.0	44.3	45.6	11.34	11.20	10.89
Electronic and Other Electric Equipment	414.73	423.52	374.62	40.9	41.4	38.7	10.14	10.23	9.68
Transportation Equipment	617.58	617.02	610.73	42.3	42.7	42.5	14.60	14.45	14.37
Nondurable Goods[g]	498.95	495.76	474.18	42.5	42.3	42.3	11.74	11.72	11.21
Food and Kindred Products	396.80	381.42	402.66	40.0	39.2	41.9	9.92	9.73	9.61
Chemicals and Allied Products	535.05	533.58	486.71	43.5	43.1	40.9	12.30	12.38	11.90
Rubber and Miscellaneous Plastics Products	520.82	512.87	497.39	44.1	43.5	43.9	11.81	11.79	11.33
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	597.78	597.37	597.60	41.0	41.0	41.5	14.58	14.57	14.40
Wholesale Trade	365.42	362.96	355.20	36.8	36.7	37.0	9.93	9.89	9.60
Retail Trade[i]	217.00	214.29	215.16	31.0	30.7	32.6	7.00	6.98	6.60
General Merchandise Stores	203.18	201.23	216.15	30.1	29.9	33.0	6.75	6.73	6.55
Food Stores	316.13	312.12	336.04	37.5	36.0	38.1	8.43	8.67	8.82
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	282.33	284.12	277.15	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

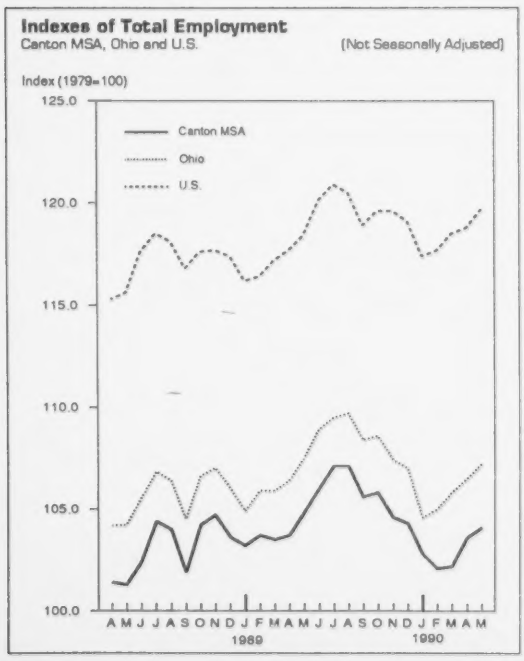
CANTON METROPOLITAN STATISTICAL AREA

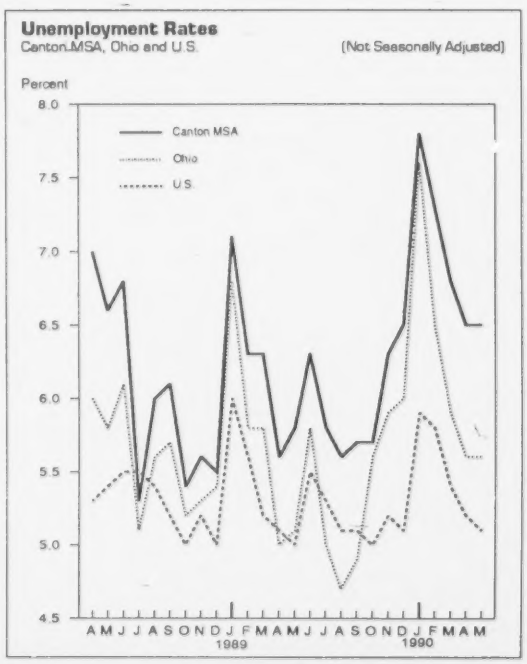


In the Canton metropolitan area, total nonfarm payroll employment increased 1,300 above the May level to 169,200 in June 1990. The continued return of workers from the settlement of a labor-management dispute in primary metal industries and more business in construction raised employment in goods-producing industries 900 to 54,100. The number of employees in the service-producing sector rose 400 over the month. Gains in services, especially health services, and retail trade more than offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $11.53 per hour, up 13 cents from May. Their average workweek of 42.6 hours was 0.5 hours longer.

Nonagricultural wage and salary employment advanced 3,400 between June 1989 and June 1990. The workforce in service-producing industries added 4,200 jobs. Leading areas of expansion were services, retail trade, and local government. Employment in goods-producing industries declined 700. Over-the-year reductions in manufacturing, particularly fabricated metal products and rubber and miscellaneous plastics products, negated modest growth in construction.

Seasonally adjusted employment in the Canton area totaled 168,000 in June 1990, up 1,000 from May primarily due to an increase in services. Since June 1989, total payroll employment advanced 4,000. Growth industries were services, wholesale trade, retail trade, and government. Manufacturing employment declined during the period.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
196.6	184.2	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
INA	INA	INA	INA	June	169.2	45.3	31.6	491.18	42.6	11.53

INA – information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	169.2	167.8	165.7	1.3	3.4
Goods-Producing Industries[e]	54.1	53.1	54.8	.9	-.7
Construction	8.0	7.6	7.6	.4	.3
Manufacturing	45.3	44.8	46.4	.5	-1.1
Durable Goods[f]	33.7	33.3	34.5	.4	-.8
Primary Metal Industries	11.7	11.3	11.8	.4	-.1
Fabricated Metal Products	5.7	5.7	6.4	-.1	-.7
Electronic and Other Electric Equipment	4.0	4.1	4.2	-.1	-.2
Nondurable Goods[g]	11.6	11.5	11.9	.2	-.3
Food and Kindred Products	3.3	3.2	3.3	.1	-.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.1	.0	-.3
Service-Producing Industries	115.1	114.7	110.9	.4	4.2
Transportation and Public Utilities	5.7	5.7	5.7	.0	.0
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.6	8.5	8.6	.1	.1
Retail Trade	34.1	33.9	32.8	.2	1.3
General Merchandise Stores	4.0	4.0	4.0	.0	.0
Food Stores	5.7	5.6	5.6	.1	.1
Finance, Insurance, and Real Estate	6.9	6.8	6.9	.1	-.1
Finance	4.0	3.9	3.9	.1	.0
Services	40.2	39.7	38.4	.5	1.8
Health Services	16.2	16.0	15.7	.3	.5
Nursing and Personal Care Facilities	3.9	3.8	3.7	.1	.2
Hospitals	7.6	7.4	7.5	.2	.1
Government	19.7	20.2	18.6	-.5	1.1
Federal Government	1.7	1.7	1.4	-.1	.2
State Government (Includes Education)	1.7	1.8	1.7	-.1	.0
Local Government	16.3	16.7	15.5	-.4	.9
Local Government Education	9.6	10.2	9.1	-.6	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

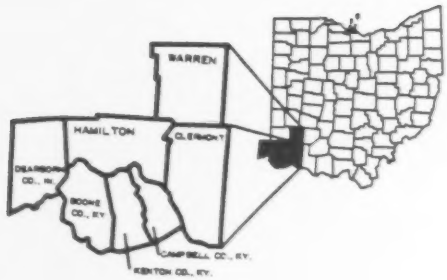
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$491.18	$479.94	$476.30	42.6	42.1	42.3	$11.53	$11.40	$11.26
Durable Goods[f]	515.59	498.10	503.87	43.4	42.5	43.4	11.88	11.72	11.61
Primary Metal Industries	564.10	548.35	530.82	45.2	44.8	46.4	12.48	12.24	11.44
Fabricated Metal Products	469.27	447.08	470.05	41.2	39.6	39.7	11.39	11.29	11.84
Electronic and Other Electric Equipment	526.32	500.04	571.33	38.7	37.4	42.7	13.60	13.37	13.38
Nondurable Goods[g]	415.27	424.54	394.74	40.2	40.9	39.2	10.33	10.38	10.07
Food and Kindred Products	428.58	442.26	397.74	39.5	40.5	37.7	10.85	10.92	10.55
Rubber and Miscellaneous Plastics Products	391.68	419.99	404.21	40.8	42.9	41.5	9.60	9.79	9.74
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	593.41	574.86	584.03	40.7	40.2	41.1	14.58	14.30	14.21
Wholesale Trade	383.17	383.62	381.24	38.9	38.4	38.2	9.85	9.99	9.98
Retail Trade[i]	173.48	172.87	165.00	28.3	28.2	28.4	6.13	6.13	5.81
General Merchandise Stores	191.92	187.78	187.50	29.3	28.8	30.0	6.55	6.52	6.25
Food Stores	162.21	164.54	160.45	27.4	27.7	28.1	5.92	5.94	5.71
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	188.73	185.06	177.28	30.1	29.8	29.4	6.27	6.21	6.03

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

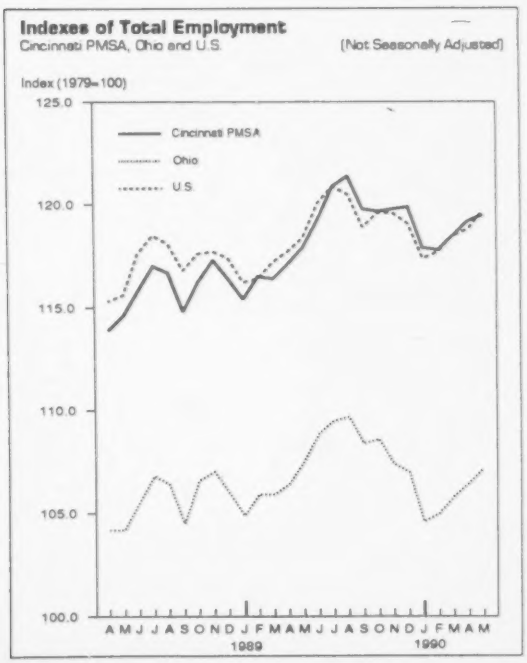
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

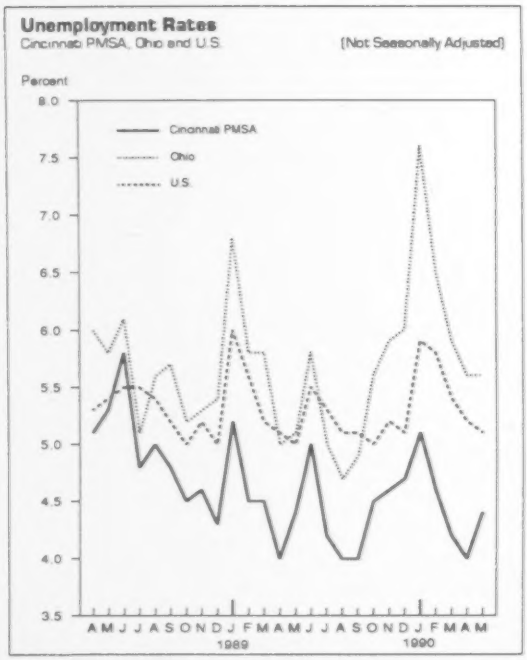


Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 4,900 above the May level to 757,900 in June 1990. Employment in service-producing industries increased 3,300. More business in services and retail trade overshadowed seasonal layoffs of nonteaching personnel in local and state schools and colleges. The workforce in goods-producing industries, at 186,300, added 1,500 jobs primarily due to growth in construction and scattered improvements in manufacturing. Gains were posted in chemicals and allied products, transportation equipment, paper and allied products, and rubber and miscellaneous plastics products. Factory production workers averaged $12.12 per hour, up 12 cents from May. Their average workweek was 0.4 hours longer at 43.7 hours.

Nonagricultural payroll employment advanced 28,700 between June 1989 and June 1990. The improvement was concentrated in service-producing industries. Significant expansion occurred in retail trade (+9,200) and services (+7,600). Noteworthy gains were also posted in government, wholesale trade, and transportation and public utilities. Scattered improvements in manufacturing and growth in construction raised employment in goods-producing industries 4,400 over the year. Moderate increases occurred in transportation equipment, printing and publishing, and food and kindred products.

Seasonally adjusted employment in the Cincinnati area increased 2,000 from May to 751,000 in June 1990. Gains were registered in wholesale trade, services, and government. Since June 1989, total nonfarm employment advanced 28,000. Leading growth industries were retail trade, services, wholesale trade, government, and manufacturing.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
788.3	749.2	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
792.9	759.3	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.8	750.5	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
INA	INA	INA	INA	June	757.9	148.7	93.4	529.64	43.7	12.12

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
751	185	36	149	June	566	41	50	151	43	189	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	757.9	753.0	729.2	4.9	28.7
Goods-Producing Industries[e]	186.3	184.7	181.9	1.5	4.4
Construction	37.1	36.2	35.2	.8	1.8
Manufacturing	148.7	148.0	146.2	.7	2.5
Durable Goods[f]	80.3	80.3	79.2	.0	1.2
Fabricated Metal Products	12.3	12.2	12.3	.0	-.1
Fabricated Structural Metal Products	4.6	4.6	4.4	.0	.2
Industrial Machinery and Equipment	19.2	19.2	19.3	.0	-.2
Electronic and Other Electric Equipment	7.6	7.8	7.8	-.2	-.2
Transportation Equipment	25.1	24.8	23.9	.3	1.2
Motor Vehicles and Equipment	5.0	4.9	5.0	.1	.0
Instruments and Related Products	3.6	3.7	3.4	-.1	.1
Nondurable Goods[g]	68.4	67.7	67.1	.7	1.3
Food and Kindred Products	12.3	12.4	11.9	-.1	.4
Beverages	2.8	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.5	3.4	3.6	.0	-.1
Paper and Allied Products	5.7	5.5	5.9	.2	-.1
Printing and Publishing	14.6	14.7	14.1	-.1	.5
Commercial Printing	6.4	6.4	6.2	.0	.2
Chemicals and Allied Products	22.5	22.2	22.4	.4	.1
Rubber and Miscellaneous Plastics Products	7.0	6.7	6.6	.2	.3
Service-Producing Industries	571.6	568.3	547.4	3.3	24.3
Transportation and Public Utilities	41.3	40.9	39.3	.3	1.9
Transportation	24.8	24.6	23.2	.2	1.6
Trucking and Warehousing	11.2	11.1	10.5	.1	.7
Transportation by Air	6.6	6.5	6.1	.1	.5
Communications, Electric, Gas Services	16.4	16.3	16.1	.1	.4
Communications	9.6	9.6	9.8	.0	-.1
Wholesale Trade	49.8	49.4	47.7	.4	2.1
Wholesale Trade-Durable Goods	29.2	29.1	28.4	.2	.9
Retail Trade	151.4	150.2	142.2	1.1	9.2
General Merchandise Stores	22.3	22.3	20.9	.0	1.5
Finance, Insurance, and Real Estate	43.4	43.0	43.2	.4	.2
Finance	17.5	17.5	17.3	.1	.2
Depository Institutions	13.8	13.8	13.6	.1	.3
Commercial Banks	9.7	9.6	9.5	.1	.2
Insurance	17.1	17.0	17.3	.1	-.2
Insurance Carriers	14.3	14.2	14.5	.0	-.3
Life Insurance	6.7	6.7	7.0	.0	-.3
Fire, Marine, and Casualty Insurance	5.3	5.2	5.1	.1	.2
Services	193.3	189.8	185.7	3.5	7.6
Hotels and Other Lodging Places	7.9	7.7	7.6	.2	.3
Personal Services	8.6	8.6	8.1	.1	.5
Business Services	38.0	37.2	35.8	.8	2.3
Services to Buildings	6.3	6.3	5.8	.1	.6
Computer and Data Processing Services	4.8	4.8	4.3	.0	.5
Amusements, Including Motion Pictures	14.5	12.9	14.5	1.6	.0
Health Services	57.8	57.5	55.8	.4	2.0
Nursing and Personal Care Facilities	11.2	11.1	10.9	.1	.3
Hospitals	27.6	27.5	26.8	.1	.9
Legal Services	4.6	4.5	4.3	.1	.3
Educational Services	6.5	7.0	6.7	-.5	-.2
Social Services	12.4	12.3	11.7	.1	.6
Residential Care	4.9	4.8	4.6	.0	.3
Engineering and Management Services	17.2	16.9	16.4	.4	.8
Engineering and Architectural Services	5.9	5.8	5.6	.1	.3
Government	92.5	95.0	89.2	-2.5	3.3
Federal Government	16.9	17.5	15.8	-.7	1.0
State Government	21.0	21.4	20.4	-.4	.5
State Government Education[h]	12.6	13.1	12.4	-.5	.2
Local Government	54.7	56.1	53.0	-1.4	1.7
Local Government Education	30.0	32.0	28.8	-2.0	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

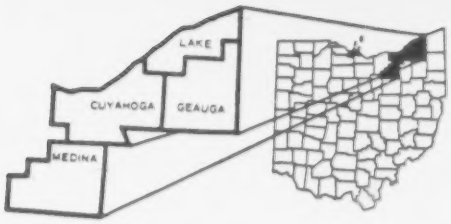
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$529.64	$519.60	$500.39	43.7	43.3	43.1	$12.12	$12.00	$11.61
Durable Goods[f]	524.72	519.16	499.10	43.8	43.7	43.4	11.98	11.88	11.50
Fabricated Metal Products	438.76	453.49	412.86	43.1	44.2	42.0	10.18	10.26	9.83
Fabricated Structural Metal Products	487.31	546.11	462.87	44.1	48.2	42.7	11.05	11.33	10.84
Industrial Machinery and Equipment	470.73	466.15	467.64	42.6	42.3	43.1	11.05	11.02	10.85
Electronic and Other Electric Equipment	375.15	396.86	364.59	41.0	42.4	40.6	9.15	9.36	8.98
Transportation Equipment	838.08	803.90	785.08	48.5	47.4	47.9	17.28	16.96	16.39
Motor Vehicles and Equipment	998.22	949.62	917.22	52.4	51.0	51.5	19.05	18.62	17.81
Instruments and Related Products	392.01	376.51	351.97	43.8	42.4	43.4	8.95	8.88	8.11
Nondurable Goods[g]	533.75	519.95	503.22	43.5	42.9	42.9	12.27	12.12	11.73
Food and Kindred Products	501.25	498.93	531.63	43.1	42.9	44.6	11.63	11.63	11.92
Beverages	577.15	585.66	519.94	42.5	43.0	41.2	13.58	13.62	12.62
Apparel and Other Textile Products	257.47	273.76	232.01	38.2	40.2	37.3	6.74	6.81	6.22
Paper and Allied Products	494.17	447.91	471.96	44.6	41.9	43.7	11.08	10.69	10.80
Printing and Publishing	499.37	498.49	460.09	41.1	41.3	39.8	12.15	12.07	11.56
Commercial Printing	525.23	517.10	487.72	43.3	43.2	42.3	12.13	11.97	11.53
Chemicals and Allied Products	682.99	655.62	593.64	45.9	44.6	43.3	14.88	14.70	13.71
Rubber and Miscellaneous Plastics Products	437.56	436.04	441.86	43.8	44.0	45.6	9.99	9.91	9.69
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	597.11	582.40	582.01	40.4	39.7	40.9	14.78	14.67	14.23
Communications	594.08	577.34	576.69	39.5	38.8	40.3	15.04	14.88	14.31
Wholesale Trade	437.14	442.33	427.67	39.1	39.6	39.2	11.18	11.17	10.91
Retail Trade[i]	179.89	176.25	171.99	28.6	28.2	29.3	6.29	6.25	5.87
General Merchandise Stores	221.04	219.55	201.61	30.7	30.2	30.5	7.20	7.27	6.61
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	302.54	302.19	281.25	....	....	....	.....	.....	.....
Commercial Banks	273.40	272.79	258.16	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	414.84	415.21	398.52	....	....	....	.....	.....	.....
Life Insurance	424.49	424.68	409.10	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	426.88	430.99	408.92	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	431.64	433.94	380.46	32.7	32.8	31.6	13.20	13.23	12.04
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	641.43	649.08	592.42	40.7	40.9	39.6	15.76	15.87	14.96

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

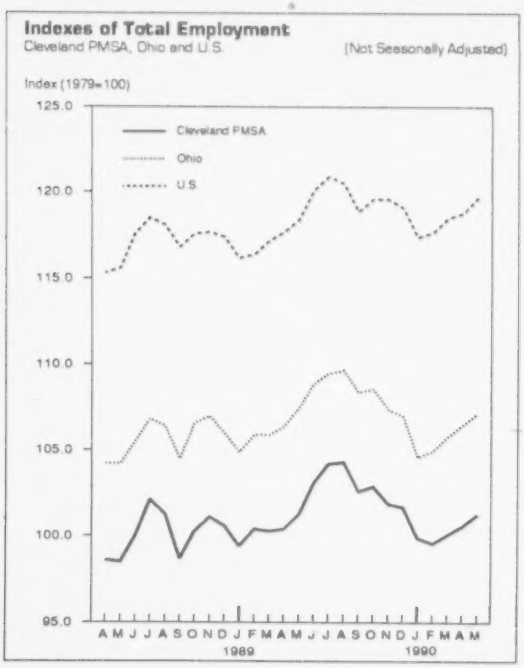
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

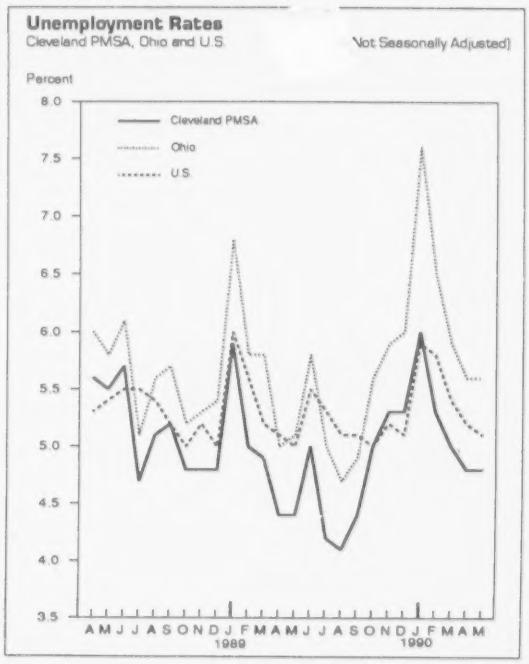


Nonagricultural payroll employment in the Cleveland metropolitan area totaled 968,600 in June 1990, up 9,700 from the May level. Seasonal growth in retail trade and services, especially amusements, including motion pictures, increased the workforce in service-producing industries 6,700. Employment in goods-producing industries rose 3,000 to 245,500 primarily due to more business in construction and scattered improvements in manufacturing. Modest gains were posted in electronic and other electric equipment, printing and publishing, fabricated metal products, and chemicals and allied products. Factory production workers averaged $12.29 per hour, little changed from May. Their average workweek was 0.2 hours longer at 43.5 hours.

Nonfarm wage and salary employment advanced 24,000 between June 1989 and June 1990. Service-producing industries contributed 94.6 percent of the improvement. Leading areas of expansion were services (+8,500) and retail trade (+6,400). Notable gains also occurred in local government and wholesale trade. Moderate growth in construction employment, particularly special trade contractors, increased goods-producing industries 1,300 during the period. The number of manufacturing jobs was unchanged over the year as gains in printing and publishing, chemicals and allied products, and rubber and miscellaneous plastics products counterbalanced reductions in industrial machinery and equipment and primary metal industries.

Seasonally adjusted employment in the Cleveland area was unchanged from May at 957,000 in June 1990. An increase in retail trade offset a decline in government. Since June 1989, total payroll employment advanced 23,000. Noteworthy expansion was posted in services and retail trade.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
946.3	900.8	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
INA	INA	INA	INA	June	968.6	208.4	133.4	534.62	43.5	12.29

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	58	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
934	241	33	207	June	693	42	66	158	57	251	118
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
957	242	34	207	June	715	43	68	165	58	259	121

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	968.6	958.9	944.6	9.7	24.0
Goods-Producing Industries[e]	245.5	242.6	244.2	3.0	1.3
Construction	36.3	34.5	34.9	1.7	1.3
Special Trade Contractors	24.7	23.5	23.7	1.2	1.0
Manufacturing	208.4	207.2	208.4	1.2	0
Durable Goods[f]	142.0	141.5	142.9	.6	-.9
Stone, Clay, and Glass Products	3.9	3.8	3.7	.1	.1
Primary Metal Industries	20.9	21.0	21.4	-.1	-.5
Iron and Steel Foundries	4.3	4.4	4.6	-.2	-.3
Fabricated Metal Products	34.5	34.3	34.4	.2	.2
Screw Machine Products, Bolts, etc.	5.0	4.9	5.3	0	-.3
Metal Forgings and Stampings	11.1	10.9	10.9	.2	.2
Industrial Machinery and Equipment	33.2	33.3	34.2	0	-.9
Metalworking Machinery	13.0	13.1	13.3	0	-.3
Electronic and Other Electric Equipment	15.6	15.3	15.5	.3	.1
Electrical Industrial Apparatus	4.4	4.2	4.4	.1	-.1
Electric Lighting and Wiring Equipment	5.2	5.2	5.2	0	0
Transportation Equipment	19.4	19.3	19.3	0	0
Motor Vehicles and Equipment	12.2	12.2	12.0	.1	.2
Instruments and Related Products	7.1	7.1	7.2	0	-.2
Measuring and Controlling Devices	5.0	5.0	4.9	0	.1
Nondurable Goods[g]	66.3	65.7	65.5	.6	.9
Food and Kindred Products	6.5	6.6	6.7	-.1	-.1
Apparel and Other Textile Products	3.2	3.2	3.3	0	-.1
Paper and Allied Products	5.9	5.8	6.0	.1	-.1
Printing and Publishing	17.4	17.2	16.8	.3	.6
Chemicals and Allied Products	15.1	14.9	14.8	.2	.3
Rubber and Miscellaneous Plastics Products	12.2	12.1	12.0	.1	.3
Miscellaneous Plastics Products	7.7	7.8	7.2	0	.5
Service-Producing Industries	723.1	716.3	700.4	6.7	22.7
Transportation and Public Utilities	43.4	43.0	42.4	.4	1.0
Transportation	26.2	25.8	24.8	.4	1.5
Trucking and Warehousing	11.7	11.5	11.3	.2	.4
Transportation by Air	5.4	5.3	4.9	0	.5
Communications, Electric, Gas Services	17.2	17.2	17.6	0	-.5
Communications	10.0	10.1	10.3	0	-.3
Electric, Gas, and Sanitary Services	7.1	7.1	7.3	0	-.2
Wholesale Trade	69.0	68.4	66.6	.5	2.3
Wholesale Trade-Durable Goods	46.9	46.6	45.5	.3	1.4
Motor Vehicles, Parts, and Supplies	4.1	4.0	4.2	0	-.1
Professional and Commercial Equipment	9.3	9.2	9.1	.1	.2
Retail Trade	166.4	163.8	160.1	2.6	6.4
General Merchandise Stores	21.4	21.1	20.5	.3	.9
Finance, Insurance, and Real Estate	58.4	57.7	57.3	.7	1.2
Finance	28.3	28.0	27.8	.3	.5
Depository Institutions	21.0	20.7	20.5	.3	.5
Commercial Banks	13.2	13.0	12.9	.2	.3
Insurance	18.7	18.6	18.6	.1	.2
Insurance Carriers	14.1	14.1	14.0	0	.1
Fire, Marine, and Casualty Insurance	6.5	6.4	6.4	.1	.1
Services	263.1	260.6	254.6	2.5	8.5
Business Services	55.2	54.5	51.6	.7	3.6
Personnel Supply Services	21.2	21.0	19.3	.2	1.9
Computer and Data Processing Services	7.0	6.9	6.4	.1	.7
Amusements, Including Motion Pictures	13.3	12.2	13.6	1.1	-.4
Health Services	80.0	79.3	78.9	.7	1.0
Nursing and Personal Care Facilities	13.7	13.6	13.3	.1	.4
Hospitals	43.9	43.7	44.1	.2	-.1
Legal Services	10.1	9.7	9.7	.4	.4
Educational Services	16.9	18.8	16.7	-2.0	.1
Social Services	13.8	13.9	13.1	-.1	.7
Residential Care	3.8	3.8	3.5	0	.3
Engineering and Management Services	22.3	21.8	21.3	.4	1.0
Engineering and Architectural Services	8.2	8.1	7.8	.2	.4
Accounting, Auditing, and Bookkeeping	6.5	6.4	6.5	.1	.1
Management and Public Relations	4.8	4.6	4.4	.1	.4
Government	122.8	122.8	119.5	0	3.4
Federal Government	21.5	21.9	20.9	-.4	.6
State Government	8.0	7.9	8.0	.2	0
State Government Education[h]	3.0	2.9	3.0	.1	0
Local Government	93.3	93.1	90.5	.2	2.8
Local Government Education	46.1	48.1	44.9	-2.0	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

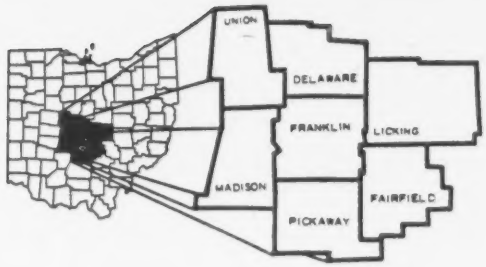
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$534.62	$531.72	$511.69	43.5	43.3	43.4	$12.29	$12.28	$11.79
Durable Goods[f]	573.65	572.32	541.55	44.4	44.4	44.1	12.92	12.89	12.28
Stone, Clay, and Glass Products	499.93	517.44	451.04	41.8	43.3	39.6	11.96	11.95	11.39
Primary Metal Industries	574.56	565.00	558.44	45.6	45.2	46.0	12.60	12.50	12.14
Iron and Steel Foundries	999.44	950.90	889.56	52.0	50.1	50.4	19.22	18.98	17.65
Fabricated Metal Products	558.54	563.71	535.05	43.5	43.8	43.5	12.84	12.87	12.30
Screw Machine Products, Bolts, etc.	551.62	550.00	562.24	44.2	44.0	44.8	12.48	12.50	12.55
Metal Forgings and Stampings	711.68	725.68	651.65	45.1	45.9	44.3	15.78	15.81	14.71
Industrial Machinery and Equipment	578.61	583.75	511.29	46.4	46.7	43.7	12.47	12.50	11.70
Metalworking Machinery	588.69	594.57	526.28	47.9	48.3	44.3	12.29	12.31	11.88
Electronic and Other Electric Equipment	418.88	420.97	429.48	40.2	40.4	41.9	10.42	10.42	10.25
Electrical Industrial Apparatus	461.34	457.29	459.24	43.4	43.1	44.5	10.63	10.61	10.32
Electric Lighting and Wiring Equipment	369.94	369.74	384.34	36.7	36.9	39.5	10.08	10.02	9.73
Transportation Equipment	799.72	781.93	738.97	46.2	45.7	45.7	17.31	17.11	16.17
Motor Vehicles and Equipment	893.96	871.42	837.33	47.4	46.7	47.2	18.86	18.66	17.74
Instruments and Related Products	448.81	450.69	431.11	41.1	41.5	42.6	10.92	10.86	10.12
Measuring and Controlling Devices	452.24	451.55	456.67	41.3	41.2	42.6	10.95	10.96	10.72
Nondurable Goods[g]	440.91	435.99	437.85	41.4	40.9	41.7	10.65	10.66	10.50
Food and Kindred Products	438.20	447.60	472.63	39.3	40.0	43.4	11.15	11.19	10.89
Apparel and Other Textile Products	370.33	361.34	364.62	38.1	37.6	38.1	9.72	9.61	9.57
Paper and Allied Products	502.48	520.93	488.81	44.0	44.6	43.8	11.42	11.68	11.16
Printing and Publishing	397.17	382.60	360.51	38.3	37.4	36.9	10.37	10.23	9.77
Chemicals and Allied Products	544.43	543.58	550.00	42.5	42.5	44.0	12.81	12.79	12.50
Rubber and Miscellaneous Plastics Products	390.63	369.05	387.54	43.5	41.7	43.3	8.98	8.85	8.95
Miscellaneous Plastics Products	392.81	370.82	397.34	43.5	41.9	44.1	9.03	8.85	9.01
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	503.18	513.80	471.04	36.2	36.7	35.1	13.90	14.00	13.42
Communications, Electric, Gas Services	622.89	620.87	630.66	40.5	40.5	42.1	15.38	15.33	14.98
Wholesale Trade	461.76	458.20	439.70	39.5	39.5	39.4	11.69	11.60	11.16
Retail Trade[i]	192.89	190.72	186.48	28.2	27.6	28.0	6.84	6.91	6.66
– General Merchandise Stores	189.00	187.25	188.64	28.0	27.7	28.8	6.75	6.76	6.55
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	320.61	323.57	321.97	....	....	....	.....	.....	.....
Depository Institutions	294.75	298.78	298.13	....	....	....	.....	.....	.....
Commercial Banks	289.79	290.68	293.84	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	329.97	331.22	318.15	31.1	31.1	31.1	10.61	10.65	10.23
Nursing and Personal Care Facilities	243.76	241.09	211.72	33.3	33.3	31.6	7.32	7.24	6.70
Hospitals	358.49	363.30	351.21	30.1	30.3	30.7	11.91	11.99	11.44

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

COLUMBUS METROPOLITAN STATISTICAL AREA

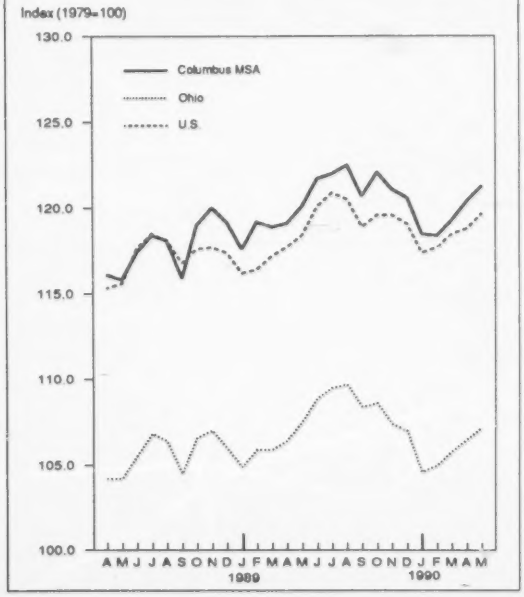


Nonfarm payroll employment in the Columbus metropolitan area totaled 733,000 in June 1990, up 5,700 from the May level. More business in services, retail trade, and finance, insurance, and real estate helped raise employment in service-producing industries 3,900. The number of jobs in goods-producing industries increased 1,800 over the month to 138,100 primarily due to seasonal hirings in construction and scattered gains in manufacturing. Factory production workers averaged $12.36 per hour, little changed from May. Their average workweek was slightly longer at 41.8 hours.

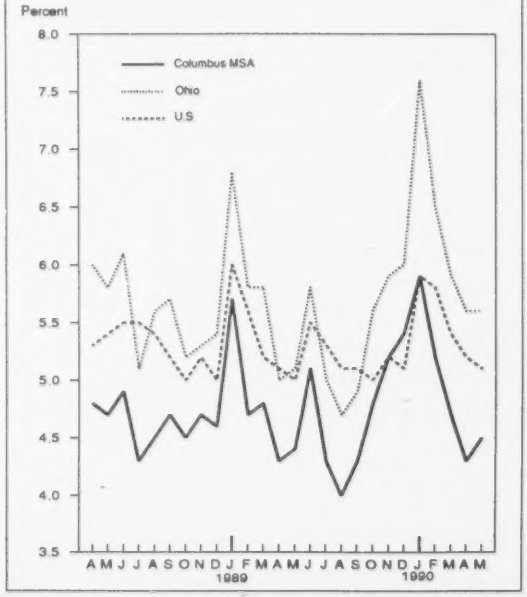
Nonagricultural wage and salary employment advanced 26,300 between June 1989 and June 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were services (+9,000) and retail trade (+8,000). Noteworthy expansion also occurred in local and state government, finance, insurance, and real estate, and wholesale trade. The workforce in goods-producing industries increased 1,700 over the year due to growth in construction and manufacturing. Modest gains were recorded in transportation equipment, fabricated metal products, and printing and publishing.

Seasonally adjusted employment in the Columbus area rose 3,000 from May to 727,000 in June 1990 due to increases in retail trade and government. Since June 1989, total payroll employment advanced 27,000. A major portion of the improvement occurred in services, retail trade, and government.

Indexes of Total Employment
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.54	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.0	700.4	32.6	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
INA	INA	INA	INA	June	733.0	105.4	70.4	516.65	41.8	12.36

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	105	June	590	32	38	151	61	179	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	733.0	727.3	706.7	5.7	26.3
Goods-Producing Industries[e]	138.1	136.3	136.4	1.8	1.7
Construction	31.7	30.5	30.6	1.3	1.2
Manufacturing	105.4	104.9	105.0	.5	.4
Durable Goods[f]	66.4	66.2	65.9	.3	.5
Stone, Clay, and Glass Products	10.0	9.9	9.8	.1	.2
Glass and Glassware, Pressed or Blown	3.5	3.5	3.4	.0	.1
Fabricated Metal Products	10.0	9.9	9.7	.0	.3
Industrial Machinery and Equipment	9.8	9.8	9.9	.0	-.1
Electronic and Other Electric Equipment	9.1	9.1	9.3	.0	-.2
Transportation Equipment	14.3	14.3	13.8	.1	.5
Motor Vehicles and Equipment	13.3	13.3	13.2	.0	.1
Instruments and Related Products	4.7	4.7	4.7	-.1	-.1
Nondurable Goods[g]	39.0	38.8	39.1	.2	-.1
Food and Kindred Products	10.8	10.7	10.7	.1	.1
Dairy Products	4.3	4.2	4.0	.0	.3
Printing and Publishing	11.0	10.9	10.7	.1	.3
Chemicals and Allied Products	6.9	6.8	7.0	.1	-.1
Rubber and Miscellaneous Plastics Products	6.1	6.2	6.2	-.1	-.1
Service-Producing Industries	595.0	591.0	570.3	3.9	24.6
Transportation and Public Utilities	31.6	31.3	30.9	.3	.7
Transportation	19.4	19.1	18.4	.3	1.0
Trucking and Warehousing	13.8	13.6	12.8	.2	1.0
Communications, Electric, Gas Services	12.2	12.2	12.4	.0	-.2
Communications	7.6	7.6	7.8	.0	-.3
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	38.4	38.2	37.2	.2	1.2
Wholesale Trade-Durable Goods	24.9	24.8	24.1	.1	.8
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.2	.0	.0
Machinery, Equipment, and Supplies	5.8	5.8	5.5	.1	.3
Wholesale Trade-Nondurable Goods	13.5	13.4	13.1	.2	.4
Retail Trade	151.2	150.3	143.2	.9	8.0
General Merchandise Stores	21.1	21.1	20.3	.0	.8
Food Stores	17.1	17.1	16.3	.1	.9
Automotive Dealers and Service Stations	15.0	14.9	14.2	.1	.8
Finance, Insurance, and Real Estate	61.4	60.7	60.1	.8	1.3
Finance	24.1	23.8	23.7	.3	.4
Depository Institutions	14.6	14.3	14.4	.3	.1
Commercial Banks	12.3	12.1	11.9	.3	.4
Insurance	28.1	27.9	27.6	.2	.5
Insurance Carriers	24.1	24.0	23.6	.1	.5
Services	180.8	179.6	171.7	1.1	9.0
Business Services	38.4	38.1	35.7	.2	2.7
Personnel Supply Services	14.1	14.0	12.5	.1	1.6
Health Services	46.6	46.1	44.5	.5	2.1
Nursing and Personal Care Facilities	8.2	8.2	8.0	.0	.2
Hospitals	21.7	21.4	20.6	.3	1.1
Legal Services	4.7	4.6	4.5	.1	.2
Educational Services	6.7	7.6	6.3	-1.0	.4
Social Services	12.8	12.7	12.3	.1	.5
Engineering and Management Services	18.4	18.2	17.7	.2	.7
Engineering and Architectural Services	4.7	4.6	4.5	.1	.2
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	.0	.1
Research and Testing Services	6.3	6.3	6.1	.0	.3
Government	131.5	131.0	127.2	.5	4.4
Federal Government	17.1	17.5	16.2	-.4	.9
State Government	57.8	57.0	56.6	.8	1.2
State Government Education[h]	24.1	23.9	24.0	.2	.1
Local Government	56.6	56.5	54.4	.1	2.2
Local Government Education	33.5	34.2	32.0	-.7	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

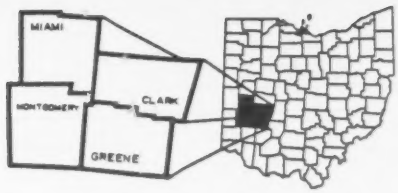
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$516.65	$514.58	$493.54	41.8	41.7	41.3	$12.36	$12.34	$11.95
Durable Goods[f]	532.98	530.04	506.30	42.0	41.9	41.5	12.69	12.65	12.20
Stone, Clay, and Glass Products	522.45	513.40	541.24	43.0	42.5	44.4	12.15	12.08	12.19
Glass and Glassware, Pressed or Blown	469.11	453.06	464.12	42.3	41.3	41.7	11.09	10.97	11.13
Fabricated Metal Products	550.71	538.86	498.98	42.2	42.0	40.7	13.05	12.83	12.26
Industrial Machinery and Equipment	537.95	494.36	479.29	43.7	41.3	41.0	12.31	11.97	11.69
Electronic and Other Electric Equipment	493.69	489.64	439.29	40.7	40.6	38.5	12.13	12.06	11.41
Transportation Equipment	595.33	631.75	589.89	41.4	43.3	41.6	14.38	14.59	14.18
Motor Vehicles and Equipment	599.47	635.21	593.22	41.4	43.3	41.6	14.48	14.67	14.26
Instruments and Related Products	442.80	420.69	431.09	41.0	39.8	40.9	10.80	10.57	10.54
Nondurable Goods[g]	483.21	482.45	466.75	41.3	41.2	40.8	11.70	11.71	11.44
Food and Kindred Products	437.02	426.62	421.23	41.7	41.1	41.5	10.48	10.38	10.15
Dairy Products	593.83	597.08	583.25	43.6	44.0	43.3	13.62	13.57	13.47
Printing and Publishing	548.06	553.02	531.57	39.6	39.7	39.0	13.84	13.93	13.63
Chemicals and Allied Products	625.83	629.64	596.43	42.2	42.4	42.3	14.83	14.85	14.10
Rubber and Miscellaneous Plastics Products	397.85	398.58	369.70	42.1	42.0	41.4	9.45	9.49	8.93
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	463.99	459.55	383.10	35.5	35.0	30.0	13.07	13.13	12.77
Communications, Electric, Gas Services	682.65	671.00	596.16	43.9	43.6	41.4	15.55	15.39	14.40
Communications	595.41	576.92	596.16	39.8	39.3	41.4	14.96	14.68	14.40
Electric, Gas, and Sanitary Services	825.29	827.42	597.19	50.6	50.7	41.5	16.31	16.32	14.39
Wholesale Trade	403.48	401.10	384.69	38.5	38.2	37.9	10.48	10.50	10.15
Retail Trade[i]	184.25	181.55	185.25	27.5	27.3	28.9	6.70	6.65	6.41
General Merchandise Stores	199.66	201.92	195.16	28.2	28.4	28.7	7.08	7.11	6.80
Food Stores	192.36	187.60	198.67	28.0	26.8	28.3	6.87	7.00	7.02
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	454.39	455.10	414.48	....	....	....	.....	.....	.....
Depository Institutions	295.94	294.57	273.09	....	....	....	.....	.....	.....
Commercial Banks	292.91	290.78	271.88	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	230.55	228.40	215.12	32.2	31.9	32.3	7.16	7.16	6.66
Hospitals	405.95	406.64	373.74	34.2	34.2	34.1	11.87	11.89	10.96
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	489.06	509.67	457.43	39.0	40.1	38.7	12.54	12.71	11.82

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

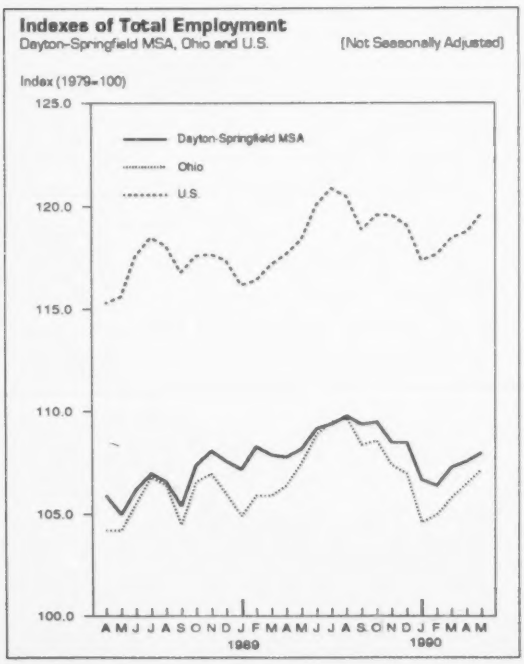
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

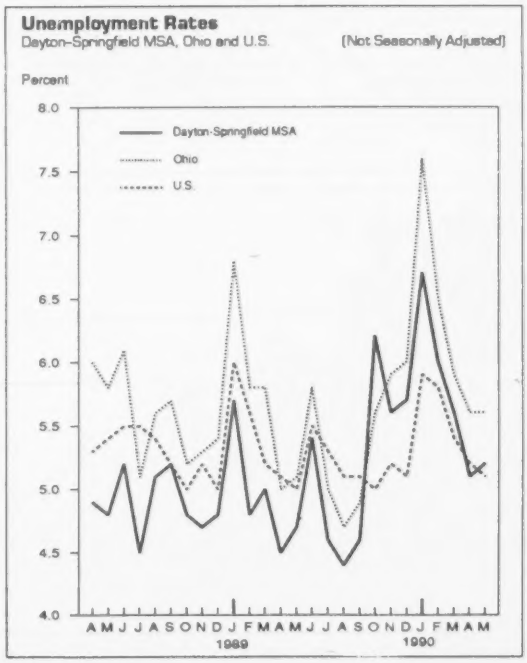


In the Dayton-Springfield metropolitan area, nonfarm payroll employment rose 2,200 above the May level to 461,800 in June 1990. Scattered gains in manufacturing, especially transportation equipment and industrial machinery and equipment, and more business in construction raised employment in goods-producing industries 1,900 over the month to 125,200. Employment in service-producing industries increased 300 as growth in services and retail trade counterbalanced seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $13.85 per hour, up 29 cents from May. Their average workweek of 43.8 hours was 0.8 hours longer.

Nonagricultural wage and salary employment advanced 12,200 between June 1989 and June 1990. Service-producing industries contributed 91.8 percent of the improvement. Primary areas of expansion were services, retail trade, and local government. Transportation and public utilities and wholesale trade also posted notable gains. Employment in goods-producing industries increased 900 due to modest gains in construction and manufacturing. Over-the-year growth in transportation equipment, especially motor vehicles and equipment, outweighed reductions in industrial machinery and equipment and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Dayton-Springfield area increased 1,000 from May to 459,000 in June 1990. Scattered gains in goods-producing industries and an increase in services outweighed a decline in finance, insurance, and real estate. Since June 1989, total payroll employment advanced 12,000. Leading growth industries were services (+4,000), retail trade (+2,000), and government (+2,000).





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.0	104.5	67.2	555.56	42.9	12.95
				1989						
482.6	456.3	26.3	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.3	451.4	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
INA	INA	INA	INA	June	461.8	105.9	68.8	606.63	43.8	13.85

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	336	18	22	82	17	118	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	461.8	459.6	449.6	2.2	12.2
Goods-Producing Industries[e]	125.2	123.3	124.3	1.9	.9
Construction	18.9	18.2	18.3	.6	.6
Manufacturing	105.9	104.7	105.6	1.2	.3
Durable Goods[f]	76.0	75.1	75.8	.9	.2
Fabricated Metal Products	8.6	8.6	8.7	.0	-.1
Industrial Machinery and Equipment	31.2	30.9	32.1	.3	-.9
Metalworking Machinery	8.2	8.3	8.6	.0	-.3
General Industrial Machinery	2.9	2.9	3.0	.0	-.1
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	23.2	22.8	21.8	.4	1.4
Motor Vehicles and Equipment	19.9	19.5	18.6	.4	1.3
Nondurable Goods[g]	29.9	29.6	29.8	.3	.1
Food and Kindred Products	2.6	2.4	2.8	.1	-.2
Paper and Allied Products	6.1	6.0	6.1	.1	.0
Printing and Publishing	9.3	9.3	9.0	.0	.3
Rubber and Miscellaneous Plastics Products	7.7	7.6	8.2	.0	-.5
Service-Producing Industries	336.6	336.3	325.4	.3	11.2
Transportation and Public Utilities	18.5	18.3	17.5	.2	1.0
Transportation	12.1	12.0	11.2	.1	1.0
Trucking and Warehousing	6.9	6.8	6.1	.1	.8
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.9	21.7	21.1	.3	.9
Wholesale Trade-Durable Goods	15.2	15.1	14.8	.2	.5
Wholesale Trade-Nondurable Goods	6.7	6.6	6.3	.1	.4
Retail Trade	82.8	82.2	80.0	.5	2.8
General Merchandise Stores	11.3	11.4	11.2	-.1	.1
Finance, Insurance, and Real Estate	17.7	17.5	17.8	.1	-.2
Finance	9.4	9.4	9.8	.0	-.4
Depository Institutions	7.2	7.2	7.5	.0	-.3
Insurance	4.3	4.3	4.3	.0	.1
Services	117.9	116.5	113.7	1.4	4.2
Business Services	23.6	23.3	22.2	.4	1.5
Personnel Supply Services	6.6	6.5	6.4	.1	.2
Computer and Data Processing Services	5.5	5.5	4.8	.0	.7
Health Services	39.5	39.2	38.4	.3	1.1
Nursing and Personal Care Facilities	7.2	7.1	7.0	.1	.2
Hospitals	20.0	19.9	19.7	.1	.3
Educational Services	6.7	7.2	6.6	-.5	.0
Social Services	5.9	6.0	5.8	.0	.1
Engineering and Management Services	10.2	10.0	9.9	.2	.3
Research and Testing Services	3.5	3.4	3.3	.1	.2
Government	77.8	80.0	75.3	-2.2	2.5
Federal Government	29.0	29.6	29.4	-.6	-.4
State Government	7.5	7.4	7.4	.0	.1
State Government Education[h]	4.5	4.5	4.5	.0	.1
Local Government	41.3	43.0	38.5	-1.7	2.8
Local Government Education	25.1	27.3	23.2	-2.1	1.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

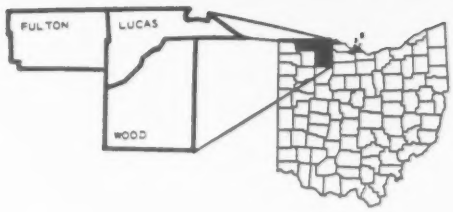
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$606.63	$583.08	$555.56	43.8	43.0	43.1	$13.85	$13.56	$12.89
Durable Goods[f]	630.39	602.30	568.54	44.3	43.3	43.4	14.23	13.91	13.10
Fabricated Metal Products	419.42	425.27	422.82	41.9	42.4	43.5	10.01	10.03	9.72
Industrial Machinery and Equipment	605.44	616.50	614.55	43.0	43.6	44.5	14.08	14.14	13.81
Metalworking Machinery	603.40	587.38	614.78	45.3	44.6	47.4	13.32	13.17	12.97
General Industrial Machinery	548.23	527.91	520.72	45.8	44.7	46.0	11.97	11.81	11.32
Electronic and Other Electric Equipment	382.67	371.32	367.95	42.9	42.1	42.1	8.92	8.82	8.74
Transportation Equipment	855.84	760.63	687.65	48.0	44.3	42.5	17.83	17.17	16.18
Motor Vehicles and Equipment	881.25	774.78	687.91	48.5	44.4	42.1	18.17	17.45	16.34
Nondurable Goods[g]	536.36	525.83	518.18	42.4	42.1	42.3	12.65	12.49	12.25
Food and Kindred Products	369.64	358.35	348.43	41.3	40.4	40.8	8.95	8.87	8.54
Paper and Allied Products	509.18	529.62	493.68	44.2	45.5	44.0	11.52	11.64	11.22
Printing and Publishing	459.03	462.55	476.49	39.0	39.5	40.9	11.77	11.71	11.65
Rubber and Miscellaneous Plastics Products	716.98	675.26	694.14	42.5	41.3	42.3	16.87	16.35	16.41
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	570.24	556.61	581.26	40.5	39.9	41.4	14.08	13.95	14.04
Communications	570.80	559.99	584.15	40.0	39.8	41.4	14.27	14.07	14.11
Wholesale Trade	394.42	390.43	407.95	39.6	39.2	39.8	9.96	9.96	10.25
Retail Trade[i]	176.18	176.42	166.66	28.6	28.5	28.2	6.16	6.19	5.91
General Merchandise Stores	179.07	180.14	174.10	28.2	27.8	27.9	6.35	6.48	6.24
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	273.00	271.35	260.20	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	416.58	410.74	370.94	34.6	34.2	34.0	12.04	12.01	10.91

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

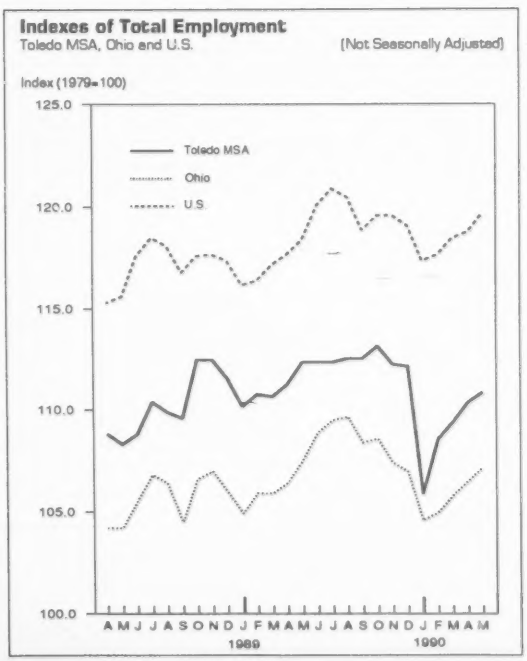
TOLEDO
METROPOLITAN STATISTICAL AREA

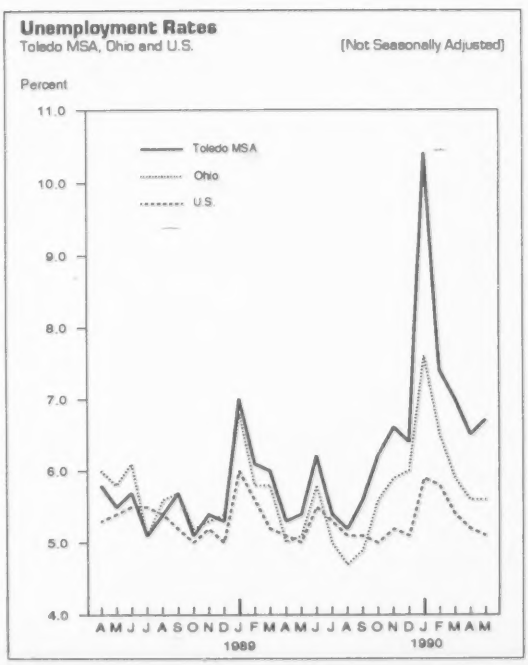


Nonfarm payroll employment in the Toledo metropolitan area declined 900 from the May level to 299,200 in June 1990. Seasonal layoffs of nonteaching personnel in state and local schools and colleges overshadowed a moderate gain in services, lowering employment in service-producing industries 1,900. The number of jobs in goods-producing industries increased 1,000 over the month to 73,500 due to more business in construction and improvements in manufacturing, especially transportation equipment. Factory production workers averaged $13.55 per hour, down fractionally from May. Their average workweek of 43.6 hours was 0.2 hours longer.

Nonagricultural wage and salary employment advanced 5,200 between June 1989 and June 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were services (+2,500), retail trade (+2,000), and government (+1,200). Employment in goods-producing industries declined 1,000. Over-the-year reductions in manufacturing, particularly transportation equipment and industrial machinery and equipment, overshadowed modest expansion in construction.

Seasonally adjusted employment in the Toledo area increased 1,000 above the May level to 299,000 in June 1990 primarily due to a gain in government. Since June 1989, total payroll employment advanced 5,000. Growth in retail trade, services, and government outweighed a decrease in manufacturing.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
320.2	300.4	19.8	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
317.8	296.4	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
INA	INA	INA	INA	June	299.2	60.1	43.2	590.78	43.6	13.55

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	16	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	60	12	78	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	299.2	300.1	294.0	-.9	5.2
Goods-Producing Industries[e]	73.5	72.5	74.5	1.0	-1.0
Construction	13.1	12.6	12.2	.5	1.0
Manufacturing	60.1	59.6	62.1	.5	-2.0
Durable Goods[f]	45.1	44.5	46.2	.6	-1.1
Stone, Clay, and Glass Products	7.8	7.6	8.0	.1	-.2
Primary Metal Industries	3.6	3.5	3.4	.1	.1
Fabricated Metal Products	7.3	7.2	7.2	.1	.1
Metal Forgings and Stampings	2.6	2.6	2.9	.0	-.3
Industrial Machinery and Equipment	5.6	5.7	6.2	-.1	-.6
Transportation Equipment	14.0	13.7	14.7	.3	-.7
Nondurable Goods[g]	15.0	15.1	15.9	-.1	-.9
Food and Kindred Products	3.9	3.9	4.0	.0	-.1
Rubber and Miscellaneous Plastics Products	4.1	4.0	4.3	.0	-.2
Service-Producing Industries	225.7	227.6	219.4	-1.9	6.3
Transportation and Public Utilities	14.7	14.6	14.3	.1	.4
Transportation	9.8	9.7	9.4	.1	.4
Communications, Electric, Gas Services	4.9	4.9	4.9	.0	.0
Wholesale Trade	16.4	16.2	15.9	.1	.4
Wholesale Trade-Durable Goods	10.8	10.7	10.5	.1	.3
Wholesale Trade-Nondurable Goods	5.6	5.5	5.4	.0	.1
Retail Trade	60.6	60.2	58.6	.4	2.0
General Merchandise Stores	8.0	8.0	8.1	.0	-.1
Finance, Insurance, and Real Estate	12.1	12.1	12.3	.1	-.2
Finance	6.3	6.3	6.5	.0	-.2
Insurance	3.7	3.7	3.7	.0	.0
Services	79.4	78.3	76.9	1.1	2.5
Business Services	14.0	13.6	13.5	.4	.5
Personnel Supply Services	5.4	5.2	5.3	.3	.2
Health Services	27.8	27.7	27.6	.1	.2
Nursing and Personal Care Facilities	4.1	4.1	4.2	.0	.0
Hospitals	15.1	15.1	15.2	.0	.0
Engineering and Management Services	6.5	6.3	6.0	.1	.4
Government	42.5	46.3	41.3	-3.7	1.2
Federal Government	3.2	3.5	2.7	-.3	.5
State Government	14.2	17.4	13.7	-3.2	.5
State Government Education[h]	9.7	13.0	9.4	-3.3	.3
Local Government	25.1	25.4	25.0	-.3	.1
Local Government Education	14.4	14.9	14.3	-.5	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

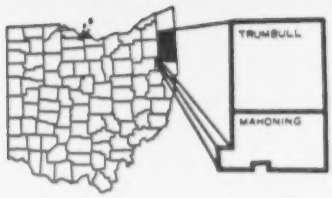
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$590.78	$589.37	$571.54	43.6	43.4	43.2	$13.55	$13.58	$13.23
Durable Goods[f]	594.58	601.68	577.92	43.4	43.6	43.0	13.70	13.80	13.44
Stone, Clay, and Glass Products	565.01	548.23	459.89	44.7	43.1	40.2	12.64	12.72	11.44
Primary Metal Industries	557.83	550.14	482.63	47.8	46.9	42.9	11.67	11.73	11.25
Fabricated Metal Products	514.07	523.18	468.29	43.9	44.3	41.7	11.71	11.81	11.23
Metal Forgings and Stampings	707.19	730.97	624.46	43.6	44.9	41.3	16.22	16.28	15.12
Industrial Machinery and Equipment	526.15	487.47	492.69	43.7	41.7	42.4	12.04	11.69	11.62
Transportation Equipment	748.61	767.80	768.40	42.9	43.6	45.2	17.45	17.61	17.00
Nondurable Goods[g]	576.81	550.41	550.95	44.2	42.8	43.9	13.05	12.86	12.55
Food and Kindred Products	673.13	615.53	667.81	46.2	43.5	46.7	14.57	14.15	14.30
Rubber and Miscellaneous Plastics Products	399.40	376.82	381.93	42.9	41.5	43.5	9.31	9.08	8.78
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	659.16	652.80	587.71	42.2	41.9	40.7	15.62	15.58	14.44
Wholesale Trade	419.69	416.52	405.73	40.2	40.4	39.7	10.44	10.31	10.22
Retail Trade[i]	164.83	164.77	162.25	27.2	27.1	27.5	6.06	6.08	5.90
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	359.20	352.34	340.65	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA

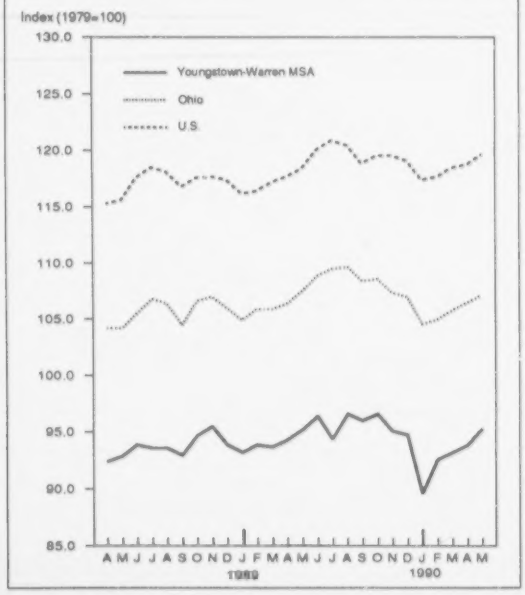


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 1,200 above the May level to 205,500 in June 1990. More business in construction and increased production in manufacturing, especially transportation equipment, raised employment in goods-producing industries 900 to 59,200. The workforce in service-producing industries added 300 jobs over the month. Modest gains in services, retail trade, and wholesale trade more than offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $14.70 per hour, up 18 cents from May. Their average workweek of 43.5 hours was 0.2 hours longer.

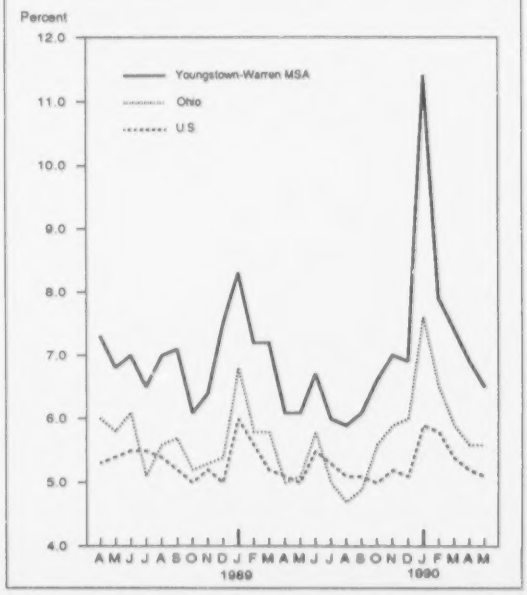
Nonfarm wage and salary employment advanced 5,200 between June 1989 and June 1990. The improvement was concentrated in the service-producing sector. Leading areas of expansion were services (+1,900), retail trade (+1,300), and wholesale trade (+1,100). Employment in goods-producing industries declined 400. Over-the-year reductions in durable-goods manufacturing, particularly primary metal industries and transportation equipment, negated slight improvements in nondurable-goods manufacturing and construction.

Seasonally adjusted employment in the Youngstown-Warren area increased 1,000 from May to 203,000 in June 1990 . Since June 1989, total payroll employment advanced 5,000. Noteworthy growth occurred in services, wholesale trade, retail trade, and government.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.5	May	204.4	49.8	37.5	628.72	43.3	14.52
INA	INA	INA	INA	June	205.5	50.2	37.8	639.45	43.5	14.70

INA – information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
203	58	8	50	June	145	8	12	43	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	205.5	204.4	200.4	1.2	5.2
Goods-Producing Industries[e]	59.2	58.3	59.6	.9	-.4
Construction	8.5	8.1	8.3	.4	.2
Manufacturing	50.2	49.8	50.8	.4	-.6
Durable Goods[f]	44.8	44.4	45.8	.4	-1.0
Primary Metal Industries	18.6	18.8	18.9	-.1	-.3
Blast Furnace and Basic Steel Products	6.1	6.0	6.3	.0	-.2
Fabricated Metal Products	7.4	7.2	7.5	.1	-.1
Metal Forgings and Stampings	3.9	3.9	3.8	.0	.0
Industrial Machinery and Equipment	4.3	4.3	4.4	.0	.0
Transportation Equipment	9.5	9.0	9.7	.4	-.2
Nondurable Goods[g]	5.4	5.3	5.0	.0	.3
Service-Producing Industries	146.3	146.0	140.8	.3	5.5
Transportation and Public Utilities	8.0	8.0	7.8	.0	.2
Wholesale Trade	12.2	11.9	11.0	.3	1.1
Wholesale Trade-Durable Goods	7.4	7.4	7.1	.0	.3
Wholesale Trade-Nondurable Goods	4.8	4.5	3.9	.3	.8
Retail Trade	43.8	43.4	42.5	.4	1.3
General Merchandise Stores	5.2	5.1	5.3	.1	-.1
Finance, Insurance, and Real Estate	8.9	8.8	8.8	.1	.1
Finance	4.8	4.7	4.7	.0	.1
Services	48.8	48.1	46.9	.7	1.9
Health Services	21.3	21.1	20.9	.2	.4
Nursing and Personal Care Facilities	4.8	4.9	4.7	.0	.1
Hospitals	10.8	10.6	10.7	.2	.1
Government	24.6	25.9	23.8	-1.2	.8
State Government	4.5	4.4	4.6	.1	-.1
State Government Education[h]	3.0	2.9	3.1	.1	-.1
Local Government	17.8	19.0	17.1	-1.2	.7
Local Government Education	10.9	12.2	10.4	-1.4	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$639.45	$628.72	$598.53	43.5	43.3	42.6	$14.70	$14.52	$14.05
Durable Goods[f]	656.18	645.36	614.33	43.6	43.4	42.9	15.05	14.87	14.32
Primary Metal Industries	708.72	695.70	667.36	43.4	43.4	43.0	16.33	16.03	15.52
Blast Furnace and Basic Steel Products	657.29	660.15	648.67	45.9	46.1	46.6	14.32	14.32	13.92
Fabricated Metal Products	654.59	650.51	630.65	45.3	45.3	46.1	14.45	14.36	13.68
Metal Forgings and Stampings	805.68	791.11	733.66	48.1	47.6	46.7	16.75	16.62	15.71
Industrial Machinery and Equipment	517.48	510.02	493.02	41.8	41.6	41.5	12.38	12.26	11.88
Transportation Equipment	717.05	696.69	658.14	44.9	43.9	43.1	15.97	15.87	15.27
Nondurable Goods[g]	459.14	462.67	417.69	42.2	42.8	39.0	10.88	10.81	10.71
Wholesale Trade	379.23	381.92	371.53	38.5	38.5	38.5	9.85	9.92	9.65
Retail Trade[i]	178.85	182.56	181.26	27.6	28.0	28.5	6.48	6.52	6.36
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	225.10	228.98	219.87	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
In the Hamilton-Middletown metropolitan area, total nonfarm wage and salary employment fell 2,300 from May to 94,600 in June 1990. Seasonal layoffs of nonteaching personnel in state schools and colleges negated growth in services, lowering employment in service-producing industries 2,700. Cyclical upturns in construction and mining raised employment in goods-producing industries 400 to 27,700. Manufacturing production workers averaged $14.05 per hour, up 25 cents from May. Their average workweek was 0.7 hours longer at 46.5 hours. Nonagricultural payroll employment advanced 1,300 between June 1989 and June 1990. Service-producing industries added 1,600 employees primarily due to expansion in services, state government, and retail trade. Employment in goods-producing industries declined 300. Over-the-year reductions in manufacturing, particularly primary metal industries and paper and allied products, outweighed modest growth in construction and mining.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area totaled 75,800 in June 1990, up 600 from the May level. Modest improvements in services and retail trade raised employment in service-producing industries 400. Employment in goods-producing industries increased 200 over the month to 27,100 due to seasonal growth in construction and mining. Manufacturing production workers averaged $13.30 per hour, up 22 cents from May. Their average workweek of 42.5 hours was 0.5 hours longer. Nonfarm wage and salary employment advanced 2,000 between June 1989 and June 1990. Expansion in retail trade and services helped raise employment in service-producing industries 2,000. Employment in goods-producing industries was unchanged over the year as improvements in construction and mining counterbalanced a decrease in manufacturing. Reduced production in transportation equipment was partially offset by slight gains in fabricated metal products and industrial machinery and equipment.

Lorain–Elyria PMSA
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area rose 800 above the May level to 95,400 in June 1990. Goods-producing industries, at 32,900, gained 500 jobs due to growth in durable-goods manufacturing, notably transportation equipment, and seasonal upturns in construction and mining. Scattered increases in the service-producing sector raised employment 300. Manufacturing production workers averaged $13.58 per hour, down 11 cents from May. Their average workweek of 42.8 hours was 1.2 hours shorter. Nonagricultural payroll employment advanced 1,200 between June 1989 and June 1990. The expansion was concentrated in service-producing industries. Noteworthy gains occurred in retail trade, services, and transportation and public utilities. Employment in goods-producing industries declined 700. Over-the-year reductions in durable-goods manufacturing, especially transportation equipment, outweighed slight increases in construction and mining.

Mansfield MSA
Nonagricultural payroll employment in the Mansfield metropolitan area totaled 61,100 in June 1990, up 500 from May. Modest improvement in manufacturing, especially fabricated metal products, raised employment in goods-producing industries 300 to 20,800. Employment in service-producing industries increased 300. Improvements were posted in retail trade, finance, insurance, and real estate, and services. Manufacturing production workers averaged $13.50 per hour, up 27 cents from May. Their average workweek was 1.0 hours longer at 42.2 hours. Nonfarm wage and salary employment advanced 100 between June 1989 and June 1990. Service-producing industries added 1,000 jobs due mainly to growth in retail trade. Over-the-year reductions in durable-goods manufacturing, particularly fabricated metal products, dropped employment in goods-producing industries 900.

Steubenville–Weirton MSA
Total nonagricultural payroll employment in the Steubenville-Weirton metropolitan area rose 400 above the May level to 54,400 in June 1990. More business in construction raised employment in the goods-producing sector 300 to 20,700. Service-producing industries added 100 jobs. Modest growth in services offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $11.75 per hour, down 5 cents from May. Their average workweek was 0.4 hours shorter at 43.6 hours. Nonfarm wage and salary employment advanced 2,200 between June 1989 and June 1990. Expansion in service-producing industries, particularly services and retail trade, created 1,800 jobs. Employment in goods-producing industries rose 400 over the year primarily due to an increase in construction.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	131.5	132.1	132.2	-.6	-.7
Employment	123.5	123.8	125.0	-.3	-1.5
Unemployment	8.0	8.3	7.2	-.3	.8
Unemployment Rate	6.1	6.3	5.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	94.6	96.9	93.3	-2.3	1.3
Goods–Producing Industries	27.7	27.3	28.0	.4	-.3
Construction and Mining	6.3	6.0	5.7	.4	.7
Manufacturing	21.3	21.3	22.3	.0	-1.0
Durable Goods	14.7	14.7	15.4	.0	-.7
Primary Metal Industries	6.6	6.7	6.9	.0	-.3
Fabricated Metal Products	2.5	2.4	2.4	.0	.0
Industrial Machinery and Equipment	2.4	2.5	2.4	.0	.1
Nondurable Goods	6.6	6.6	6.9	.0	-.3
Paper and Allied Products	4.7	4.6	4.9	.0	-.3
Paper Mills	3.4	3.4	3.7	.0	-.3
Service–Producing Industries	66.9	69.7	65.4	-2.7	1.6
Transportation and Public Utilities	3.5	3.4	3.3	.0	.2
Wholesale Trade	5.7	5.7	5.7	.0	.1
Wholesale Trade–Durable Goods	3.9	3.9	3.9	.0	.1
Retail Trade	18.0	18.1	17.7	-.1	.3
Food Stores	3.0	3.0	3.1	.0	-.2
Finance, Insurance, and Real Estate	4.7	4.6	4.8	.0	-.1
Services	20.1	19.6	19.3	.5	.8
Health Services	8.5	8.3	8.1	.2	.4
Government	15.0	18.2	14.6	-3.2	.4
State Government	4.3	7.5	4.0	-3.3	.3
Local Government	10.0	9.8	10.0	.1	.0
Local Government Education	6.4	6.4	6.4	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$653.33	$632.04	$618.62	46.5	45.8	46.2	$14.05	$13.80	$13.39
Durable Goods	688.28	652.81	634.69	47.5	46.2	46.6	14.49	14.13	13.62
Primary Metal Industries	817.09	759.51	737.94	50.5	48.5	49.0	16.18	15.66	15.06
Fabricated Metal Products	517.83	504.19	513.95	42.1	41.6	42.3	12.30	12.12	12.15
Industrial Machinery and Equipment	657.51	639.73	686.35	50.5	49.4	53.0	13.02	12.95	12.95
Nondurable Goods	567.13	581.06	581.57	44.1	44.8	45.4	12.86	12.97	12.81
Paper and Allied Products	588.60	612.87	609.70	45.0	46.5	46.4	13.08	13.18	13.14
Paper Mills	594.96	605.53	626.18	44.6	45.7	46.8	13.34	13.25	13.38
Wholesale Trade	446.42	453.26	422.42	41.8	42.6	41.7	10.68	10.64	10.13
Retail Trade[f]	179.84	174.33	168.19	29.1	28.3	28.8	6.18	6.16	5.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	78.9	78.4	77.7	.5	1.2
Employment	73.7	73.2	73.5	.5	.2
Unemployment	5.2	5.2	4.2	.0	1.0
Unemployment Rate	6.6	6.6	5.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	75.8	75.2	73.8	.6	2.0
Goods-Producing Industries	27.1	26.9	27.2	.2	.0
Construction and Mining	3.7	3.5	3.4	.2	.2
Manufacturing	23.5	23.5	23.7	.0	-.3
Durable Goods	17.2	17.2	17.5	.0	-.4
Fabricated Metal Products	2.8	2.8	2.5	.1	.3
Industrial Machinery and Equipment	4.3	4.2	4.1	.1	.2
Transportation Equipment	7.3	7.3	8.0	-.1	-.8
Motor Vehicles and Equipment	3.6	3.6	3.8	.0	-.2
Nondurable Goods	6.3	6.3	6.2	.0	.1
Food and Kindred Products	1.9	1.8	1.8	.1	.0
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	-.1	.0
Service-Producing Industries	48.7	48.3	46.6	.4	2.0
Transportation and Public Utilities	3.3	3.3	3.0	.0	.3
Wholesale Trade	3.4	3.4	3.5	.0	.0
Retail Trade	15.1	15.0	14.1	.1	1.0
General Merchandise Stores	2.2	2.1	2.0	.1	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.0	14.8	14.4	.2	.6
Health Services	6.6	6.6	6.1	.0	.5
Hospitals	3.1	3.1	2.9	.0	.2
Government	9.7	9.7	9.5	.0	.2
Local Government	7.1	7.1	7.1	.0	.0
Local Government Education	4.2	4.3	4.1	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$565.25	$549.36	$568.10	42.5	42.0	43.3	$13.30	$13.08	$13.12
Durable Goods	561.80	548.94	568.54	42.4	42.0	43.2	13.25	13.07	13.17
Fabricated Metal Products	374.64	386.53	365.24	42.0	42.9	40.9	8.92	9.01	8.93
Industrial Machinery and Equipment	439.53	449.01	481.63	39.0	39.7	41.2	11.27	11.31	11.69
Transportation Equipment	725.12	691.65	696.78	44.0	42.8	44.1	16.48	16.16	15.80
Motor Vehicles and Equipment	847.33	781.80	809.28	47.1	44.7	48.0	17.99	17.49	16.86
Nondurable Goods	577.06	548.89	564.62	43.0	41.9	43.6	13.42	13.10	12.95
Food and Kindred Products	381.29	395.41	365.69	41.4	42.2	42.1	9.21	9.37	8.71
Rubber and Miscellaneous Plastics Products	650.48	572.46	631.92	47.0	43.9	47.8	13.84	13.04	13.22
Wholesale Trade	368.25	364.80	368.06	38.2	38.0	38.3	9.64	9.60	9.61
Retail Trade[f]	189.90	188.63	151.80	30.0	29.8	27.6	6.33	6.33	5.50
General Merchandise Stores	167.48	165.62	161.39	27.1	26.8	26.5	6.18	6.18	6.09

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	118.7	117.7	120.0	1.0	-1.3
Employment	110.7	110.2	112.7	.5	-2.0
Unemployment	8.0	7.5	7.3	.5	.7
Unemployment Rate	6.7	6.4	6.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	95.4	94.6	94.2	.8	1.2
Goods–Producing Industries	32.9	32.4	33.5	.5	-.7
Construction and Mining	4.5	4.3	4.3	.2	.2
Manufacturing	28.4	28.1	29.2	.2	-.9
Durable Goods	23.6	23.4	24.6	.2	-1.0
Primary Metal Industries	4.4	4.4	4.2	.0	.2
Fabricated Metal Products	4.2	4.2	4.3	.0	-.1
Transportation Equipment	7.7	7.5	8.4	.2	-.7
Nondurable Goods	4.8	4.7	4.6	.0	.1
Service–Producing Industries	62.5	62.2	60.7	.3	1.8
Transportation and Public Utilities	3.6	3.5	3.2	.0	.4
Wholesale Trade	2.4	2.4	2.5	.0	-.1
Retail Trade	17.6	17.4	17.0	.2	.7
Finance, Insurance, and Real Estate	3.3	3.2	3.2	.1	.1
Services	21.4	21.4	20.9	.0	.5
Health Services	8.7	8.6	8.4	.1	.3
Hospitals	4.2	4.2	4.1	.0	.1
Government	14.2	14.2	13.9	.0	.3
Local Government	11.8	11.7	11.9	.1	-.1
Local Government Education	7.7	7.9	7.5	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$581.22	$602.36	$584.55	42.8	44.0	43.3	$13.58	$13.69	$13.50
Durable Goods	614.54	638.32	614.60	43.4	44.7	43.9	14.16	14.28	14.00
Primary Metal Industries	630.63	622.49	601.81	44.1	43.5	43.8	14.30	14.31	13.74
Fabricated Metal Products	438.91	456.72	425.64	44.2	45.4	43.3	9.93	10.06	9.83
Transportation Equipment	776.89	830.12	732.48	44.7	47.3	43.6	17.38	17.55	16.80
Nondurable Goods	394.39	399.40	396.76	39.4	39.9	39.4	10.01	10.01	10.07
Wholesale Trade	361.94	366.14	361.55	38.3	38.5	38.3	9.45	9.51	9.44
Retail Trade[i]	166.78	162.86	168.58	26.9	26.1	27.5	6.20	6.24	6.13

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.3	64.3	65.6	.1	-1.3
Employment	60.0	60.0	62.1	.0	-2.1
Unemployment	4.4	4.3	3.5	.1	.9
Unemployment Rate	6.8	6.7	5.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	61.1	60.6	61.0	.5	.1
Goods-Producing Industries	20.8	20.5	21.7	.3	-.9
Construction and Mining	2.3	2.3	2.2	.0	.1
Manufacturing	18.5	18.3	19.5	.3	-1.0
Durable Goods	16.5	16.2	17.5	.2	-1.0
Fabricated Metal Products	5.4	5.3	5.8	.1	-.4
Electronic and Other Electric Equipment	3.3	3.2	3.3	.0	-.1
Nondurable Goods	2.1	2.1	2.0	.0	.1
Service-Producing Industries	40.3	40.1	39.3	.3	1.0
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	12.6	12.4	11.8	.2	.8
Finance, Insurance, and Real Estate	2.5	2.4	2.5	.1	.0
Services	12.6	12.6	12.5	.1	.2
Health Services	4.4	4.4	4.3	.0	.0
Government	7.5	7.5	7.4	-.1	.1
Local Government	5.5	5.6	5.6	-.1	.0
Local Government Education	3.8	3.9	3.8	-.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$569.70	$545.08	$566.58	42.2	41.2	42.6	$13.50	$13.23	$13.30
Durable Goods	587.29	563.34	593.10	41.8	41.0	42.7	14.05	13.74	13.89
Fabricated Metal Products	729.64	658.88	793.41	42.2	40.2	44.3	17.29	16.39	17.91
Electronic and Other Electric Equipment	442.20	428.06	461.00	40.2	39.2	42.1	11.00	10.92	10.95
Nondurable Goods	414.05	386.64	338.82	45.6	43.2	42.3	9.08	8.95	8.01
Wholesale Trade	343.56	338.92	338.80	40.9	40.3	40.0	8.40	8.41	8.47
Retail Trade[j]	165.70	164.82	156.37	26.9	26.8	27.1	6.16	6.15	5.77

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.2	57.0	56.6	.2	.6
Employment	53.7	53.7	52.8	.0	.9
Unemployment	3.5	3.3	3.8	.2	-.3
Unemployment Rate	6.1	5.8	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	54.4	54.0	52.2	.4	2.2
Goods–Producing Industries	20.7	20.5	20.3	.3	.4
Mining	1.0	1.0	.9	.0	.0
Construction	2.0	1.7	1.7	.3	.4
Manufacturing	17.7	17.8	17.7	.0	.0
Durable Goods	16.1	16.1	16.1	.0	.0
Primary Metal Industries	12.8	12.9	12.9	-.1	-.1
Nondurable Goods	1.6	1.6	1.6	.0	.1
Service–Producing Industries	33.7	33.6	31.9	.1	1.8
Transportation and Public Utilities	3.5	3.4	3.3	.0	.2
Wholesale Trade	1.4	1.4	1.4	.0	.0
Retail Trade	9.7	9.7	9.1	.0	.6
General Merchandise Stores	1.8	1.7	1.5	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	11.2	11.0	10.5	.2	.7
Health Services	4.6	4.6	4.6	.1	.1
Hospitals	2.5	2.4	2.5	.0	.0
Government	6.3	6.4	6.1	-.1	.2
Local Government	5.4	5.4	5.2	-.1	.2
Local Government Education	3.3	3.5	3.3	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$512.30	$519.20	$508.08	43.6	44.0	43.5	$11.75	$11.80	$11.68
Durable Goods	539.21	543.87	538.80	44.6	44.8	44.9	12.09	12.14	12.00
Primary Metal Industries	576.05	575.71	564.53	45.9	45.8	45.6	12.55	12.57	12.38
Nondurable Goods	187.80	208.37	161.26	31.3	33.5	27.9	6.00	6.22	5.78
Wholesale Trade	336.31	332.59	319.35	39.8	39.5	38.2	8.45	8.42	8.36
Retail Trade[i]	162.33	163.03	165.88	27.1	27.4	29.0	5.99	5.95	5.72

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included.
[j]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	June 1990	May 1990	June 1989
New Applicants	32,579	35,050	34,620
Active File of Job Seekers	186,512	203,235	242,715
Counseling Interviews	720	847	628
Tests Administered	1,666	2,272	1,684
General Aptitude Tests	247	236	190
Proficiency Tests	264	223	270
Specific Aptitude Tests	185	323	137
Referrals to Jobs	23,230	28,586	24,866
Placements	6,414	5,770	5,741
Job Openings Received	11,580	12,605	12,381
Job Openings Unfilled	19,766	21,843	20,920

Selected Unemployment Insurance Activities

	Ohio		
	June 1990	May 1990	June 1989
Initial Claims	38,085	43,125	45,358
Continued Claims	310,847	398,808	302,036
First Payments	17,406	17,720	17,178
Last Payments	6,553	7,102	6,522
Average Weekly Claimants	76,198	83,033	71,428
Average Weekly Benefit Recipients	67,701	74,441	61,029
Weeks Compensated	291,559	344,711	283,746
Benefits Paid	$47,559,690	$56,753,663	$43,220,041
Average Weekly Payment	$166.79	$168.39	$158.00
Continued Claims for Survey Week	75,642	80,234	70,714
Insured Unemployment Rate	1.7	1.8	1.6
Net Contributions	$6,110,441	$277,753,987	$5,928,093
Active Employer Accounts	207,048	205,506	203,748